CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. 220 Broadway, New York, November 7, 1907.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

(denotes that this work is advertised in Engineering News.)*

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RAILWAYS.

(denotes that this work is advertised in Engineering News.)*

ALABAMA NORTHWESTERN.—John W. Davis, Second Vice-Pres., Tuscumbia, Ala., advises us that preliminary survey has been made by this company for its proposed line between Gadsen, Ala., and Tuscumbia, a distance of about 120 miles. A meeting of the board of directors will be held at an early date. Right-of-way is now being secured. The officers are: S. E. Gardner, of Landersville, Ala., Pres.; First Vice-Pres., J. C. Kumpe, Moulton, Ala.; Second Vice-Pres., John W. Davis, Tuscumbia, Ala.; Secy., H. L. Hunter, Falkville, Ala. Other directors are: A. L. Windham, of Moulton; A. H. Tomlinson, of Falkville, and A. B. Turner, of Walnut Grove. Route is via Attalla, Walnut Grove, Brooksville, Falkville and Moulton, with a branch from the latter point to Clear Creek Falls. J. B. Sherrill, of Falkville, is Ch. Engr. Noted on Oct. 24.

ATCHISON, TOPEKA & SANTA FE.—E. P. Ripley, Pres., has stated, according to the New York "Tribune," that extensions and improvements agreed upon for this railway in Texas, to cost $7,000,000, will not be made this year, perhaps not for many years. While the financial stringency is the principal reason, he states that adverse legislation in Texas had much to do with this decision. The projects abandoned include the Santa Fe's short line extension from its San Angelo branch to the California main line at the Texas-New Mexico border, the extension into Mexico, via the St. Louis, Brownsville & Mexico Ry., and two other extensions through east Texas into the Indian Territory. For details regarding the Center-Timpson (Tex.) extension see issue of Oct. 24 (also May 2).

BUFFALO & SUSQUEHANNA.—The line from Juneau Junction to Sagamore, Pa., 23 miles, will be rebuilt. H. Herden is Ch. Engr., Galeton, Pa.

BRISTOL & KINGSPORT.—A charter has been granted this company in Tennessee. Company is capitalized at $10,000 to build a railway from Kingsport to Bristol, Tenn., via Blountville, about 25 miles. Although the company has been chartered as a steam road, acting under the authority of the acts of 1903, the promoters expect to also operate this as an electric line. At Kingsport is located the necessary water power. The incorporators include ex-Governor John I. Cox, James B. Cox, F. Powell, F. H. Cathran and Samuel L. King, of Bristol. Survey is to begin within ten days. Officers are as follows: J. I. Cox, Pres.; S. L. King, Vice-Pres.; F. Powell, Secy. and Treas.; F. H. Cathran is Ch. Engr.; J. B. Cox, General Counsel.

*CENTRAL ONTARIO.—Bids are asked until noon, Dec. 2, at company's general offices, Trenton, Ont., for clearing, grading, track laying, ballasting and other work required in the construction of the Whitney extension, a distance of about 18 miles. Geo. Collins, Mgr.

CHICAGO, FOX LAKE & GENEVA.—Incorporated in Illinois, with principal office in Chicago, and capital stock of $2,000,000. The road is to be constructed from Chicago, Ill., in a northerly or northwesterly direction through the townships of Leyden, Maine, Elk Grove, Wheeling and Palatine in Cook County; the townships of Ella, Cuba, Fremont, Wauconda and Grant in Lake County; and the townships of Nunda, McHenry and Richmond in McHenry County, to some convenient point on the line dividing Illinois and Wisconsin, with branch lines to Fox Lake and Woodstock. The incorporators and first board of directors are: George H. Howard, Maurice B. Louis, Harry R. Yaryan; Lewis E. Starr, 5119 Indiana Ave., Chicago; and Sidney E. Malette.

COFFEYVILLE & MEMPHIS.—This company was incorporated with a capital stock of $1,000,000 in Nov. 1906, to build from Coffeyville, Kan., to Memphis, Tenn., via Centralia, Kan., Vinita and Afton, Ind. T., and Little Rock, Ark. Coffeyville has subscribed $30,000 to aid construction of this railway; Centralia has subscribed $20,000, and Vinita, $40,000. Construction will begin in the spring. Those interested in the project are: J. O. Hall, W. P. Brown, E. C. Kiddov, E. A. Roser, P. H. Crahon, G. L. Gabler, J. E. McCluney, A. J. Yoke and W. C. Hall, all of Coffeyville, Kan.; C. E. Bennett and O. H. Selby, of Oklahoma City, Okla., and J. E. Lehman, of Centralia, Kan. Previously noted.

COWETA, FRANKLIN & TROUP.—We are officially informed that date for letting contracts is indefinite. As previously noted, this company has given notice that it will apply for a charter to build a line from the Central Railway of Georgia or the Atlanta & West Point in Coweta County to Franklin and to a point on the Atlanta, Birmingham & Atlanta in Troup County, about 50 miles. Capital $300,000. The incorporators are: John W. Daniel, Thomas C. Lane, Ben. H. Tompkins, R. B. Mooty, R. M. Lipford, J. W. Ray, Robert G. Crain, James R. Daniel, W. D. Taylor, W. T. Goodson, A. W. Powers, Frank S. Loftin, P. T. McCutchen, Roe Hearn, G. A. Adams, D. B. Whitaker, of Franklin, Heard County, Ga.; A. D. Kitchens, of Texas, Heard County, Ga.; J. E. Dunson, of Lagrange, Troup County, Ga.; and W. C. Wright and W. A. Brannon, of Newnan, Coweta County, Ga.

DELAWARE & EASTERN.—Location surveys are said to be completed for the extension of the D. & E. R. R. from East Branch, N. Y., to Hancock, N. Y., and to Wilkes-Barre, via Equinunk, Dyberry and Honesdale, Pa. O. F. Wagonhorst is Ch. Engr., Downsville, N. Y. The line now runs between East Branch and Arkville, N. Y., 37½ miles, with a branch from Uniongrove to Andes, 12 miles. H. M. George is Secy., 7 Wall St., New York City.

GEORGIA & CAROLINA.—W. L. Hodges, Pres., Hartwell, Ga., advises us that the Richardson-Wey Engineering Co., of Atlanta, Ga., and DeCamp & Cunningham, Engrs., of Anderson, S. S., have been selected to act jointly as engineers on the preliminary and location surveys of the Georgia-Carolina Ry. and to make a comprehensive report of the projected line from Athens, Ga., to Anderson, S. C., via Hartwell, about 65 miles. Both steam and electric railway propositions are under consideration. Surveys will begin soon. Right-of-way is obtained. Capital has not yet been secured. Contracts will be let as soon as surveys are made. In our issue of July 4 it was noted that this company had applied for a charter to build its proposed line from Athens, Ga., to Hartwell, Ga., and Anderson, S. C. It is stated that an old grade of the Athens & Carnesville Traction Co. may be used for eight miles. The incorporators are A. H. Hodgson, W. F. Dorsey, C. J. O'Farrell and James White, of Athens; A. N. Alford, J. W. Williams, J. H. Hodges, A. J. McMullan, T. J. Linder and W. L. Hodges, of Hartwell; G. W. Westbrook, of Commerce; D. W. Brooks, of Royston; Berry T. Moseley, of Danielsville; A. J. Owens, of Canon, and J. R. Dortch, of Carnesville, Ga.

GOTEBO & SOUTHWESTERN.—Proposing to build 125 miles of railroad in southwestern Oklahoma, the Gotebo & Southwestern R. R. Co., having its main offices at Gotebo, Okla., has taken out an amended charter. The company is capitalized at $1,000,000. The projected line will run from Clinton to Frederick, Okla., passing through the counties of Custer, Washita, Kiowa and Comanche. The incorporators are: Herbert E. Colby, of Oklahoma City; John W. Ornstott, of Cooperton; Peter Richert, R. B. Wells and R. W. Calhoun, of Gotebo. Noted on May 9, and May 30. The directors are Herbert E. Colby, Pres. and Gen. Mgr.; John W. Onstott, First Vice-Pres.; Peter Richert, Second Vice-Pres.; John J. Kiliewer, Auditor; Robert B. Wells, Secy. and Treas. Headquarters are at Gotebo.

ILLINOIS & NORTHWESTERN.—O. P. Chamberlain, Ch. Engr., 184 La Salle St., Chicago, advises us that company is not ready to announce date for letting contracts. This company has been incorporated to build from McCook to Lyons, Ill., two miles. Right-of-way has not been secured. Surveys are made. W. E. Phillips, Chicago, is Pres. This is a Chicago & Illinois Western R. R. project. Previously noted.

LAWTON, WICHITA FALLS & NORTHWESTERN.—Company will let contract Nov. 10 for grading seven miles of railway. Profiles and specifications may be seen at office of company at Lawton, Okla., or at either bank in Randlette, Okla. Bids will be received for any part or all of the work. J. M. Bellamy is Pres., Lawton, Okla.; A. J. Robinson, Ch. Engr., Frederick, Okla. The railway will extend from Lawton, Okla., to Wichita Falls, Tex., 50 miles, as noted on May 9.

MIDDLE TENNESSEE R. R.—Charter of incorporation has been filed in Tennessee. The nominal capital stock is $10,000, and the incorporators are J. W. Howard, J. H. Carpenter, Arra Holtz, Meade Frierson and R. G. Sparrow, all of Columbia, Tenn. The company proposes to build from Leatherwood Creek in Hickman County to the headwaters of Liepers Creek in Maury County, about 20 miles. The railroad would open a rich and valuable phosphate field.

OREGON TRUNK LINE.—It is reported thaa preliminary surveys have been completed from the mouth of the Deschutes River southward about 150 miles and that location surveys have been made for 45 miles. Construction probably will not begin until the early spring. W. F. Nelson, 1829 Broadway, is Pres., and F. S. Gordon, Ch. Engr., both at Seattle, Wash.

OREGON & WASHINGTON.—Bids for work of construction on the Oregon portion of this road, which is to be built between Portland, Ore., and Seattle, Wash., will be opened Nov. 12, it is stated. The work will include an extensive amount of trestle bridges and a tunnel nearly 5,000 ft. in length. It is the intention to begin construction not later than Jan. 1. H. F. Baldwin is Ch. Engr., Seattle, Wash. Noted on Aug. 29.

ROBERT LEE & FORT CHADOURNE.—Grading between Robert Lee and Fort Chadbourne, Tex., is in progress on this proposed road which will run between Robert Lee and Winters, Tex., 50 miles. The line will cross

the Kansas City, Mexico & Orient Ry. 13½ miles from Robert Lee. E. HUNTER, Robert Lee, Tex., is the contractor, as noted on Sept. 26. J. Austin Spencer is Pres., and S. J. Bross, Ch. Engr., Robert Lee, Tex.

TENNESSEE WESTERN.—At a meeting held in Nashville, Tenn., on Oct. 25, in the office of J. H. Connor, in the Steger Bldg., it was decided to put engineers in the field and make a preliminary survey of the proposed route of the Tennessee Western Ry. This line is to be 132 miles long, connecting with the Nashville and Huntsville R. R. in Giles County, probably at Elkton, thence through the counties of Giles, Lawrence, Wayne, Hardin, McNairy and Hardeman, connecting with the Illinois Central at Bolivar, Tenn. It was also decided to take out a charter for the new company, which will be capitalized at $3,000,000.

TEXAS.—The J. R. Ricker Co., Waco, Tex., desires quotations on 40 miles new or relaying steel rails running from 56 to 70 pounds, delivered Tyler, Tex.; also quotations on fastenings, delivered at Tyler.

It is reported that Charles B. Duffy, of Boston, Mass., Pres. of the Apalachicola Northern R. R., of Florida, has become interested with M. J. Healy, promoter of the proposed railroad from McKinney to Krum, Tex. It is proposed to sell $200,000 of stock along the route.

Dan Quill, of Terrell, Tex., and W. J. Newcom, also of Terrell, are reported to be interested in plan to build a railroad from Ennis to Waco, Tex.

ELECTRIC RAILWAYS.

ROCHESTER, N. Y.—We are officially advised that surveys are made for the proposed line for the Rochester, Scottsville & Caledonia Elec. R. R. Co., from Rochester to Portage Falls, via Scottsville, Le Roy and Perry, N. Y., a distance of 56 miles. Capital and right-of-way are not yet secured. D. C. Salyerds is Pres., Scottsville, N. Y. LeGrand Brown is Ch. Engr., 16 State St., Rochester, N. Y. Noted on Oct. 3.

GREENCASTLE, PA.—We are officially informed that the Chambersburg, Greencastle & Waynesboro St. Ry. Co. is doing its own construction work. J. F. Geiser is Ch. Engr. and Supt., Waynesboro, Pa. The line is to run from Greencastle to Chambersburg, Pa., by a direct route, a distance of eleven miles. Surveys have been run. Right-of-way is nearly all secured. G. B. Beaver, Waynesboro, is Pres. Noted on Oct. 3.

BUTLER, PA.—The Butler, Saxonburg & Tarentum Elec. Ry. Co., capital $50,000, has been chartered to build a 24-mile system from East Eighth Ave. and Ross St., Tarentum, Pa., to Saxonburg and Butler. The directors are Joseph Cirigliano, Pres.; Emil F. Rudert, Edward C. Rudert and J. E. Winder.

SYKESVILLE, PA.—The United Traction Extension Co., capital $100,000, has been chartered in Pennsylvania to build a 7-mile line from Main St., Sykesville, over private right-of-way to Big Run and the Buffalo, Rochester & Pittsburg R. R. station in Big Run. The following are directors: Austin Blakeslee, Pres.; J. B. Sykes, Frank Hahne, M. I. McCreight, W. H. Cannon, J. E. Morris and W. C. Newcome. Other prominent stockholders are George M. and Robert W. Biodle.

FAIRMONT, W. VA.—Right-of-way has been secured by the Fairmont & Mannington Electric Railway Co., it is reported, which is building a line to connect Fairmont, Barrackville, Farmington, Downs and Mannington. At the annual meeting directors were elected as follows: W. M. Laws, Treas. of the Bowling Green Trust Co., of New York; Charles T. White, Asst. Secy. of the Standard Oil Co.; James E. Fairbanks, Elmer B. Yale, F. Brown, and Edward S. Peck, Attorneys, all of New York; J. T. Koen and J. O. Huey, of Mannington, W. Va.; T. W. Fleming, C. E. Manley, and James R. Linn, of Fairmont, W. Va. F. H. Bailey, of Fairmont, is Gen. Mgr.

ATLANTA, GA.—At a recent meeting of the Council Committee on Railways, it was unanimously decided to recommend to Council that the petitions of the Atlanta & Carolina Construction Co., and the Georgia Securities Co., for an extension of time in which to begin the construction of their respective lines be granted. The Atlanta & Carolina Co. was represented before the commitee by its president, James W. English, and the extension asked for, until March 1, 1908, was recommended. This company proposes to construct an electric line from West Point through Atlanta to Conyers, and later to extend it to Augusta.

The Georgia Securities Co. was represented by Hollis Randolph, Atty., and was granted an extension of six months. This company intends building an electric line from Atlanta to Macon. A large sum of money has already been expended in securing right-of-way through Griffin, Forsyth and other places along the route proposed.

NEW IBERIA, LA.—The HUSTON ENGINEERING CO., 613 Macheca Bldg., New Orleans, has the engineering and construction contract for the Bayou Teche Railway & Light Co.'s line. H. R. Fine is Mgr., New Iberia. Noted last week.

MILLERSBURG, OHIO.—The Millersburg & Eastern R. R. Co. has been incorporated with a capital stock of $1,000 by O. S. Olmstead, Dan M. Miller and W. W. Adams, of Millersburg, and Samuel P. Dunn and J. A. Burke, of Cleveland. The line proposed by the new company is to be constructed between Millersburg and Beach City, 26 miles, and it is intended to have it in operation late in 1908. The capital stock is to be increased to $500,000 later.

ELYRIA, OHIO.—The City Council has granted the Cleveland Southwestern & Columbus Ry Co. a 25-year franchise for a belt line around that city. The old franchise has been extended the same length of time. The company agrees to widen the bridge on East Bridge St., or give the city $15,000 instead. The franchise has been accepted and a bond for $10,000 filed to guarantee that the contract will be carried out. J. A. Nester is Supt. Western Div., Elyria.

CINCINNATI, OHIO.—The Ohio Electric Railway Co., said to be the largest operating traction system in the world, was formally organized in Cincinnati, on Oct. 29, in the office of W. Kesley Schoepf. The company is now building 100 miles of road, which, when completed will make a total of more than 700 miles of interurban traction properties under one head. The Ohio Electric Railway Co. was organized as follows: W. K. Schoepf, Pres.; Norman McD. Crawford, Vice-Pres.; F. A. Healy, Secy.-Treas. The directors are Messrs. Schoepf, Crawford, Healy, Edwards, J. B. Foraker, Jr., and Dana Stevens, of Cincinnati; J. Levering Jones, of Philadelphia, and Hugh J. McGowan, of Indianapolis. Noted on Sept. 12.

INDIANAPOLIS, IND.—H. A. Morgan, of Indianapolis, has been appointed Chief Engineer for the Grand Central Traction Co., which proposes to build an electric railway from Indianapolis to Evansville, with a branch from Bloomington to Terre Haute. Noted on Oct. 24.

CHICAGO, ILL.—The Chicago, Fox Lake & Lake Geneva R. R. Co. has been incorporated to construct a line from Chicago to Lake Geneva, with branches to Fox Lake and Woodstock. The company is capitalized at $2,000,000. The incorporators and first board of directors are: George M. Seward, Sidney F. Malette, Lewis E. Starr, Maurice B. Louis, Secy. of the Chicago, Des Plaines & Fox River R. R. Co., and Harry Y. Yaryan.

MURPHYSBORO, ILL.—The Murphysboro & Interurban Ry. Co. has been organized and a charter has been applied for. The company is composed of Murphysboro business men and manufacturers, who propose to build in and around Murphysboro and to Carbondale. At a meeting on Oct. 20, $50,000 was subscribed and the following commissioners appointed to attend to organizing and incorporating the company: A. B. Minton, Willard Wall, W. C. Alexander, John G. Hardy and P. H. Eisenmayer.

APPLETON, WIS.—John M. Seaman, of Sheboygan, Pres. of the Milwaukee & Fox River Valley Interurban Co., states that all surveys for the new interurban line from Fond du Lac around the east shore of Lake Winnebago, through Taycheedah, Peebles, Calumet Harbor, Calumetville, Brothertown, Stockbridge, Sherwood, and Chilton to Appleton, have been completed and that construction work will be begun early next spring. The cost of the new line will be $600,000. Robert Vrosby and Dr. A. J. Pullen, of Fond du Lac, are interested. Noted on Oct. 24.

LA CROSSE, WIS.—The La Crosse & Winona Elec. Ry. Co. has applied to Onalaska for a franchise for a street railway through that town. The company is planning to ask for franchises in the smaller cities, and then will seek entrance to Winona. The electric railway company is a branch of the La Crosse Water Power Co., which is building a dam at Hatfield, near Black River Falls, and the power for the line will be furnished by this company. W. J. Ferris, La Crosse, is Pres. and Mgr.

ASHLAND, WIS.—The Chippewa Valley Construction Co. probably will build an electric line between Ashland and Washburn, Wis. A. E. Appleyard, 50 State St., Boston, is reported to be the promoter. This company is now building a power dam and plant on Copper Falls, near Mellen, Wis., which will develop 3,000 HP.

CEDAR RAPIDS, IOWA.—James H. Collins, representing the Collins Construction Co., 92 La Salle St., Chicago, Ill., has submitted a proposition to the citizens of Cedar Rapids, Tipton, Muscatine and Davenport, regarding the construction of an electric railway to connect these places. The Commercial Club of Davenport is interested. The committees representing the other cities are as follows: Muscatine, J. M. Gobble, C. R. Musser, W. S. Hill, Henry Jayne, J. L. Giesler, Tipton; J. T. Moffit, I. N. Hamill, and F. B. Cobb, Cedar Rapids; J. M. Grimm.

HOUSTON, TEX.—The Harris County Commissioners have granted the Houston Electric Co. a 28-year franchise, thereby permitting the company to extend its lines to a point near Harrisburg. David Daly is Mgr., Houston.

GREELEY, COLO.—The Interurban Construction Co., of Denver, with Henry S. Dickinson, Eben Reaser and George Van Law, 639 17th St. Denver, as directors, has been incorporated with a capital stock of $150,000. The company will engage in a general contract and electric railway business, building railways, telephones, telegraphs, factories, etc., in Arapahoe, Jefferson, Boulder, Adams, Weld, Larimer and Morgan Counties. The company has filed a deed of trust for $100,000 to the German-American Investment Co., of Denver on all real estate and equipment now owned or to be owned by it. The Interurban Co. is interested in plans to construct an electric railway between Greeley and Denver.

ANACORTES, WASH.—A company will be incorporated at once to build an interurban road connecting Anacortes and Sedro-Woolley. This company will be known as the Anacortes Improving & Developing Co., and the incorporators will be: E. S. Morton, W. W. Rosebinson and R. P. Ball, of Anacortes; and Benjamin F. Weeks and H. B. Spear, of Tacoma. The purpose of the new electric road will be to provide Anacortes with satisfactory shipping accommodations. Mr. Spear will be Ch. Engr., and Mr. Weeks will act as Gen. Mgr.

EUGENE, ORE.—Preliminary survey has been commenced for the Eugene & Eastern Ry., between Eugene and Junction City. S. Klovdahl is Engr.

VENTURA, CAL.—Bids are asked until Nov. 12 for the purchase of an electric railroad franchise, as applied for by F. M. Packard and Julian P. Jones, along certain public highways and streets of the County of Ventura. J. B. McCloskey is County Clk.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

MONTPELIER, VT.—Bids are asked until Nov. 8 by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for furnishing lighting fixtures to the public buildings here.

MERRIMAC, MASS.—The citizens are considering the proposition of installing an additional dynamo and engine in the municipal electric light plant to meet the increased demands made on the plant to furnish electricity for lighting purposes. E. D. George, Merrimac, is Mgr.

NEWPORT, N. Y.—The Public Service Commission, Second District, has issued an order authorizing the Newport Electric Light & Power Co. to construct lines in the town of Newport and in the village of Poland, Herkimer County, and to exercise its rights and privileges in those localities. The company is authorized to issue a mortgage to secure the payment of 30-yr. bonds, amounting to $75,000, the proceeds to be used for retiring $15,000 of bonds outstanding and the balance to go for construction and equipment.

NEW YORK, N. Y.—Bids are asked until noon, Nov. 13, by Col. W. L. Marshall, Corps Engrs., U. S. A., for furnishing reserve lanterns. Room H-7, Army Bldg., New York.

RHINEBECK, N. Y.—The Public Service Commission has granted permission to the Dutchess Light, Heat & Power Co., of Rhinebeck, N. Y., to extend its lines in the towns of Red Hook and Hyde Park, Dutchess County, and has authorized the company to issue $20,000 of capital stock, the proceeds to be devoted to acquisition of land and to the construction and extension of its plant. R. Raymond Rikert, Rhinebeck, is Mgr.

WOMELSDORF, PA.—The contract for the construction of a municipal electric light plant has been awarded to the READING ELECTRIC CO., of Reading, Pa., at $11,275. F. W. Darlington, 1140 Real Estate Trust Bldg., Philadelphia, is Ch. Engr.; W. W. Lengel is Boro. Secy.

PHILADELPHIA, PA.—We are officially advised that contract for electrical equipment for the Torresdale filter plant was awarded on Oct. 22 to the D'OLIER ENGINEERING CO., 121 South Eleventh St., Philadelphia, at $77,002. Other bidders were: Pennsylvania Electric Equipment Co., 1202 Race St., $85,346; the Mack Paving Co., 2032 Land Title Bldg., $83,323; Walker & Kepler, 531 Chestnut St., $85,275; J. F. Buchanan & Co., 36 North Fourth St., $90,802.

The Director of Public Health on Oct. 28 awarded to J. R. WIGGINS & CO., 1215 Filbert St., at $34,125, a contract for building a brick and concrete conduit, 6 × 6 ft. 9-in., 525 ft. long from power plant of new Municipal Hospital building to the scarlet fever ward, and to CHARLES E. MONDAY a contract for a 6 × 3-ft. 3-in. conduit, 1,525 ft. long from the power plant to smallpox pavilion, at a cost of $37,362.

BRIDGEWATER, VA.—Bridgewater Mfg. Co. will build a reinforced-concrete dam, which will furnish 500 HP. additional to electric light plant and Bridgewater mills. James McDonnell is Supt.; C. P. E. Burgwyn, Virginia Trust Bldg., Richmond, Va., Engr.

FAYETTEVILLE, W. VA.—Fayetteville Water & Light Co. has applied, through B. B. Hawkins, for 50-yr. franchise to construct and operate electric lighting and power plant, water-works and gas works.

THOMASVILLE, N. C.—The Thomasville Light & Power Co. has been granted a franchise to furnish electricity to light the town. It is proposed to erect a plant at a cost of $20,000 and furnish a 24-hour service. B. F. W. Bryant, of Boston, Mass., is interested in the project.

LINCOLNTON, N. C.—The NEWCOMBE-MAURY CO., of Atlanta, Ga., has been awarded the contract for the equipment of the proposed electric light plant. The Southern Power Co. will supply the power for the plant.

WAYCROSS, GA.—The Waycross Electric Light & Power Co. is planning to install additional machinery. J. E. Wadley is Pres. and Mgr.

CITRONELLE, ALA.—E. N. Cunningham, of New Orleans, La., has prepared plans for a light and power plant for the Citronelle Light & Power Co., Citronville. J. A. Shannon is Pres., Hattiesburg, Miss.

HARTSELLS, ALA.—The Hartsells Light & Power Co., Hartsells, will install a 75-HP. high-speed automatic engine of standard make, complete with fixtures and fittings, including steam exhaust pipe based on 12 ft. centers, to be directly connected to a 55-KW., 125-volt standard direct-current generator, to run at 300 r. p. m., switchboard, with suitable instruments for three circuits and one main switch; one 80-HP. standard horizontal tubular boiler, with fixtures and fittings, full flushed front; also wire for electric lighting, sizes from 1-0 to 14.

GULFPORT, MISS.—Gulfport & Mississippi Coast Traction Co., which furnishes power for interurban electric road connecting towns along the Mississippi coast and light and power for Gulfport, Biloxi and Pass Christian, Miss., has awarded contract to the WESTINGHOUSE ELECTRIC & MFG. CO., Westinghouse Bldg., Pittsburg, Pa., for installation of 1,500-KW. turbo-generator, the necessary auxiliary condensing machinery and additional boiler capacity. A. M. Lockett & Co., Ltd., 343 Baronne St., New Orleans, are Engrs.-in-Charge.

NEWPORT, TENN.—The Crescent Engineering Co., Newport, Tenn., will install a 300-HP. electric plant, it is stated.

NASHVILLE, TENN.—The White City Amusement Co. will establish an amusement resort. Buildings will be erected and machinery, etc., installed at cost of $125,000. Plans will be prepared by James L. Glass, Gen. Mgr.

FORT WAYNE, IND.—The Fort Wayne Power Co. has been incorp[illegible] to build and equip a plant to generat[illegible] electricity for power purposes. Fred. H. [illegible]ldt, F. H. Culshrall and S. L. Morris, Jr., are Dirs.

HUNTINGTON, IND.—The Huntington Natural Gas Co. has decided [illegible] abandon its natural gas wells and will b[illegible] and equip an artificial gas plant and [illegible]tribute the product through the natural [illegible]mains. J. F. Bippus is Pres.

DETROIT, MICH.—Bids [illegible] asked by James Knox Taylor, Superv. A[illegible] Treasury Dept., Washington, D. C., un[illegible] Nov. 8, for furnishing light fixtures for the [illegible]lic buildings in Detroit.

DULUTH, MINN.—The Wa[illegible] & Light Commissioners have awarded to [illegible]OMAS & McCOY the contract for laying [illegible] pipes in First Alley, between Eighth Av[illegible] West and Seventh Ave. East, connecting [illegible] and extending the old Prindle Gas Co[illegible] in the alley mentioned, for about $10,[illegible] The bid was 50 cts. per ft. for laying p[illegible] $1.10 per yd. of excavation and $9 per [illegible] for rock work. The contract for laying w[illegible] and gas mains on London Road, from [illegible] to 21st Aves., East, was awarded to EM[illegible]NGLE, 931 East 54th St., Duluth, at 6[illegible] per ft. for laying the pipe, $1.10 a yd. [illegible] excavation, and $7.75 per yd. for rock w[illegible] FAIRBANKS, MORSE & CO., 234 East Third St., St. Paul, has contract for laying 4-in. gas main in Main St., from 53d to [illegible] Aves., West, at 20 cts. per ft. for laying pipes and 87 cts. per yd. for the excavation.

INDEPENDENCE, KAN.—We are officially advised that the Kansas Natural [illegible] Co. has awarded contract to the SOUTHWESTERN BRIDGE CO., Joplin, Mo., for four additional steel buildings. J. C. McDowell, Farmers' Bank Bldg., Pittsburg, Pa., is Gen. Mgr.

WOOD RIVER, NEB.—Bonds to the extent of $18,800 have been voted by the City Council of Wood River to supply funds for the construction of a combined electric light and water plant.

BEULAH, WYO.—The Black Hills Traction Co. is figuring on plans for the erection of a new and larger plant which will be built at Beulah, Wyo., west of Belle Fourche, during the winter.

SULPHUR SPRINGS, ARK.—Smith & Powers, of Sulphur Springs, are preparing plans for an electric light plant and water-works combined, to cost about $25,000.

PINE BLUFF, ARK.—We are officially advised that contract for constructing dam over Mindos Bayou will not be let until spring. Edwin Cook is Engr.

HUBBARD, TEX.—Union Central Light & Ice Co. has awarded contract to the GENERAL ELECTRIC CO., Scollard Bldg., Dallas, Tex., for construction and equipment of electric power plant and electrical extensions to Mount Calm, Dawson, Cooledge and Malone. Steam turbine generators of high tension or producer- gas engines will be prime movers for the installations. E. L. Murphy is Supt.

PORT ARTHUR, ONT.—The Town Council has awarded the contract for the development of electrical energy at Dog Falls to KERRY, SMITH & CHANCE, Confederation Life Bldg., Toronto. About 30,000 HP. will be developed at an approximate cost of $800,000. John McTeigue is City Clk.

OTTAWA, ONT.—The City Council proposes to call for bids soon for installation of suitable machinery for the utilization of water power for driving the electric generators supplying the electric light and power systems here. N. J. Ker is City Engr.

TORONTO JUNCTION, ONT.—It is reported that the Town Council has awarded contract for lighting the town for three years to the STARK T. L. & P. SYSTEM, LTD., 84½ King St., East Toronto.

BRANDON, MAN.—The INTERNATIONAL LIGHTING & HEATING CO., of Cleveland, O., will soon commence work on the construction of a gas-producing plant at Brandon, for which it has the contract.

BATTLEFORD, SASK.—The contract for the erection of the power house here in connection with the municipal plant has been awarded to W. J. BROLEY.

MEXICO.—Charles H. Cahan, Gen. Atty. and Res. Dir. of the Mexican Light & Power Co., Mexico City, writes us that the company has completed the greater part of its hydraulic works for a second hydraulic station near Huauchinango on the Necaxa River, about ten miles nearer Mexico City than Station No. 1, and is now preparing plans and specifications for the power house and equipment, pipe lines, etc., for two units of a capacity of 6,000 KW. each, to be installed at once., this power-house, etc., being designed for an ultimate capacity of 50,000 KW. The plans, specifications, etc., are being prepared under the superintendence of R. F. Hayward, Gen. Mgr. of the Mexican Light & Power Co., Ltd., Apartado 490, Mexico City, Mexico., to whom all communications relating thereto should be addressed.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

SPRINGFIELD, MASS.—A steel concrete bridge, 100 ft. wide, with a span of 50 ft. may be built across Pecousic Brook. E. H. Barney, Park Comr., is interested.

WEST CHESTER, PA.—Bids will probably soon be asked by the Commissioners of Chester County for the erection of an extension of side annex to the old county bridge over the Brandywine, in Downingtown.

ALLENTOWN, PA.—Negotiations were closed Oct. 27, in the office of Brown Bros. & Co., Fourth and Chestnut Sts., Philadelphia, for the erection of a bridge across the ravine between Allentown and South Allentown, a distance of 118 ft. Estimated cost, $400,000. Fred E. Lewis, Allentown, is interested.

PHILADELPHIA, PA.—RICHARD WALSH, 5922 Tacony St., was awarded the contract Oct. 31, by George R. Stearns, Dir. Supt. Pub. Wks., for the construction of a two-span steel bridge across Frankford Creek, at $102,000.

BALTIMORE, MD.—The Municipal Art Commission has accepted the plans for a bridge over Guynn's Falls, at Edmundson Ave., presented by D. B. Banks. Estimated cost, $75,000. B. T. Fendall is City Engr.

RICHMOND, VA.—Bids are asked until noon, Nov. 9, by the State Highway Commissioner for the construction of a 50-ft. span reinforced concrete bridge, and repairs to old abutments, over North Run Creek, in Hillsiard Road, near Brook turnpike.

TAMPA, FLA.—The Tampa & Sulphur Springs Traction Co. has awarded the contract for the construction of a steel bridge across the Hillsborough River, to the VIRGINIA BRIDGE & IRON CO., Roanoke, Va.

BENTON HARBOR, MICH.—Plans for a new ... ft. highway bridge are being prepared by James W. Pearl, Consulting Engr. Estimated cost, $70,000.

PEORIA, ILL.—The Road and Bridge Commission of the Board of Supervisors, and the Board of Highway Commissioners of Peoria Township have awarded the contract for the construction of a viaduct over the University St. crossing of Dry Run to the BLOOMINGTON BRIDGE & MFG. CO.

CHICAGO, ILL.—We are officially advised that the following bids were received Oct. 26, by John J. Hanberg, Comr. Pub. Wks., for (A) the construction of the substructure of the Kinzie St. bridge, and (B) the construction of the superstructure of same bridge: (A) Fitz Simons & Connell Co., 131 La Salle St., Chicago, Ill., $108,976; Great Lakes Dredge & Dock Co., Commercial Bldg., Chicago, Ill., $104,035. (B) John J. Gallery, 442 Elm St., Chicago, Ill., $99,053; Strobel Steel Construction Co., Monadnock Bldg., Chicago, Ill., $99,800; King Bridge Co., $100,895; Scoular Contracting Co., $101,000; Standard Construction Co., First National Bank Bldg., Chicago, Ill., $101,960; Roemheld Construction Co., Commerce Bldg., Chicago, Ill., $107,773; Sherzer Rolling Lift Bridge Co., Monadnock Bldg.

SALEM, S. DAK.—Bids are asked until Jan. 7, by C. J. Blach, County Audr., for all bridges to be built in McCook County during the coming year.

DENVER, COLO.—The plans for the viaduct proposed to be built over 20th St., by the Colorado & Southern, the Union Pacific, the Chicago, Burlington & Quincy, and the Denver, Northwestern & Pacific Railway companies, have been completed. Estimated cost, $500,000.

NIGHTHAWK, WASH.—Bids are asked until 2 p. m., Nov. 11, by F. H. Wilmarth, County Audr., for constructing a bridge across the Similkameen River at Nighthawk.

OLYMPIA, WASH.—The following are the bids received for bridges over Washougal River, in Skamania County, on the line of State Road No. 8: NORTHWEST BRIDGE CO., Tacoma, $6,975; extra concrete, $10 per cu. yd. (awarded contract); J. W. Quigg, Wenatchee, Wash., $7,693; extra concrete, $15 per cu. yd.; International Construction Co., Seattle, Wash., $8,548; Burrell Bridge Construction Co., Oakland, Cal., $9,445; Puget Sound Bridge & Dredging Co., 95 Yesler Way, $8,380.

PORTLAND, ORE.—ROBERT WAKEFIELD, Portland, has been awarded the contract by the Portland Railway, Light & Power Co. for the erection of a new bridge across the Clackamas River, at about $30,000.

FRESNO, CAL.—Bids are asked until 11 a. m., Nov. 23, by the Board of Supervisors, for the construction of a pile bridge over Kings River. W. O. Miles is County Clk.

LOS ANGELES, CAL.—Bids are asked until 11 a. m., Nov. 25, by the Board of Public Works, for the construction of a reinforced concrete bridge across Arroyo de los Posos at Macy St. Horace B. Ferris is Secy. Bd.

NAPA, CAL.—The following bids for the construction of a stone masonry arch bridge across Milliken Creek were received Oct. 15 by the Board of Supervisors: James B. Newman, $9,692; O. H. Gildersleeve, $7,796; H. W. WING, $6,630 (awarded contract). O. H. Buchanan is City Engr.

FORT WILLIAM, ONT.—The Grand Trunk Pacific Ry. Co. will shortly construct a drawbridge across the Kaministiquay River, here. Estimated cost, $250,000.

DUNVILLE, ONT.—A concrete arch bridge 18 ft. long and 10 ft. wide, or a wooden structure, same size, will be built by this city near Moulton Station.

TORONTO, ONT.—Bids are asked until Nov. 12, by E. Coatsworth, Chn. Bd. Control, for the erection of the superstructure of Riverdale Park steel foot bridge.

HANOVER, ONT.—The Canadian Pacific Ry. Co. will shortly commence the construction of a wooden bridge across the Grand Trunk Ry tracks here. Estimated cost, about $18,000. The proposed structure will be 60 ft. high by 600 ft. long.

WINNIPEG, MAN.—Plans have been prepared for the erection of piers and the superstructure of the Redwood St. bridge.

Bids will soon be asked by the Power Commissioners for the erection of a wooden truss bridge between Mud Lake and Lac Du Bonnet.

BUILDINGS.

(denotes that this work is advertised in Engineering News.)*

PROVIDENCE, R. I.—Martin & Hall, Arch., Union Trust Bldg., Providence, are drawing plans for 14 new buildings for the City Hospital. An appropriation of $150,000 has been made for six buildings and a boiler house.

FORT JAY (New York post-office), N. Y.—We are officially advised that contracts for the construction of post exchange and gymnasium to be erected at Fort Jay, Governor's Island, N. Y. H., have been awarded as follows: Construction proper and electric wiring, to NICHOLAS H. TRAPP, 17 Thames St., New York. Plumbing, to JOHN WOOD, 95 Fourth Ave., New York. Heating, EARL & COOK, 150 Nassau St., New York. Capt. James P. Harbison is Q. M.

ALLEGHENY, PA.—F. C. Sauer, Arch., Pittsburg, let general contract to S. H. McCAIN, 1301 Veto St., Pittsburg, for constructing a 3-story school building for the Board of Education, Allegheny, to cost $200,000.

PHILADELPHIA, PA.—The Philadelphia "North American" states that a building to cost about $1,000,000 will be erected on Park Boulevard, facing Fairmount Reservoir. It will consist of three wings and will be occupied by the Academy of Fine Arts, the School of Industrial Art and the Department of Architecture of the University of Pennsylvania. P. A. B. Widener, Land Title Bldg., Philadelphia, is interested.

A 3-story addition is being planned by Wilson, Harris & Richards, Archs., Drexel Bldg., Philadelphia, for the Academy of Natural Sciences. The addition will occupy a lot 50 × 300 ft. on 19th St. Estimated cost, $125,000. The architectural design and the material for construction have not yet been fully decided upon.

It is stated that a 20-story office building will soon be erected at the corner of Broad and Cherry Sts., at a cost of $3,000,000. The proposed structure will occupy two lots owned by the Hugh Craig estate. The entire property has a frontage of 137 ft. on Broad and Carlisle Sts., and a depth of 180 ft. on Cherry St.

BALTIMORE, MD.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., has rejected all bids recently opened for the construction of an extension to the Baltimore, Md., post-office and court-house, as in excess of the appropriation.

WASHINGTON, D. C.—It is stated that all bids recently received for erecting the administration building for the Carnegie Institution have been rejected by the Executive Committee, and new bids will be received at the November meeting of the Board. The contract for the building, which is to cost about $200,000, will be let about December 10 by the Executive Committee, Bond Bldg. Carrere & Hastings, 28 East 41st St., New York, are Archs.

Bernard R. Green, Officer of Construction in charge of the new National Museum Building, Washington, has awarded the following contracts for construction in connection with the Museum building. Reinforced concrete roofing, BRENNAN CONSTRUCTION CO., 3056 K St., N. W., Washington, $39,477; copper roofing, DAVID LUPTON'S SONS CO., Allegheny and Tulip Sts., Philadelphia, $24,262; skylights, ARTHUR E. RENDLE, 18 West 34th St., New York, $10,700. Award will be made in a few days on the slate roofing opened the same day. Action on the marble and limestone work has been indefinitely postponed. Noted fully on Oct. 31.

*WASHINGTON, D. C.—Bids are asked until noon, Nov. 27, by Elliott Woods, Supt. U. S. Capitol Bldg. and Grounds, Washington, for steel framing for roof of Office Building, U. S. Senate.

Bids were received as follows Nov. 2, at the office of the Commissioners of the District of Columbia for the construction of an extension to the McKinley Manual Training School, Washington, D. C.: (a) building alone; (b) direct and indirect heating; (c) high pressure system. J. M. Dunn, 1324 Fifth St., N. W., Washington, (a) $96,288; (b) $23,178; (c) $16,246. George A. Fuller Co., Munsey Bldg., Washington, (a) $82,500; (b) $22,000; (c) $9,000. Thompson-Starrett Co., Washington, (a) $84,329; (b) $23,100; (c) $16,544. Pavarini & Wyne, Inc., Munsey Bldg., Washington, (a) $87,800; (b) $20,500; (c) $15,000. Thomas H. Melton, 621 F St., N. W., Washington, (a) $91,484; (b) $22,740; (c) $15,000. Milton C. Davis, 5 Hopkins Pl., Baltimore, (a) $90,962; (b) $23,374; (c) $16,300.

BLUEFIELD, W. VA.—Bids are asked until Nov. 30 for constructing a reinforced concrete hotel, to be eight stories high, 116 × 92 ft., and to cost $200,000. W. E. & E. L. Shufflebarger are Archs., Graham, Va.

ATHENS, GA.—The Athens Hotel Co. has awarded contract to the MILES & BRADT CO., Austell Bldg., Atlanta, Ga. It will be a 5-story building, 98 × 130 ft., fireproof. Cost, $150,000. Billups Phinizy is Pres.

ATLANTA, GA.—Bids were received as follows Oct. 30 at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post-office building at Atlanta, Ga.: (a) deduction for use of limestone and sandstone in exterior instead of marble; (b) deduction for use of granite instead of marble. Henry Smith & Sons Co., Mount Royal Ave. and Ranvale St., Baltimore, $988,100; (a) $130,000; (b) $49,000; 30 months. F. T. Nesbit & Co., Inc., 116 Nassau St., New York, $1,032,000; (a) $143,800; (b) $37,400; two years. Cramp & Co., Commonwealth Bldg., Philadelphia, $954,000; (b) $37,300; (a) $149,400. Gude & Walker, Atlanta, $997,000; (a) $150,000; (b) $29,000. Conners Bros. Co., Lowell, Mass., $936,241; (a) $139,000; (b) $29,800. Miles & Bradt Co., Atlanta, $992,000 (a) $59,000; (b) $170,000. Charles McCaul Co., 10 North Eleventh St., Philadelphia, $869,590; (a) $85,000; (b) $31,000. Time of completion, Dec. 31, 1909.

JACKSONVILLE, FLA.—Bids are asked by the Florida Grand Lodge of Masons until Dec. 10 for erection of proposed lodge and office building, bids received several months ago having been rejected. Plans, prepared by L. M. Weathers Co., Cotton Exchange Bldg., Memphis, Tenn., call for a reinforced concrete structure, seven stories high, 60 rooms. Estimated cost, $110,000. It is proposed to extend an arcade from Main St. through the building to the Duval Theater. George L. Drew is Secy. Bldg. Com., Masonic Association, 106 Main St.

UNIVERSITY, ALA.—Frank Lockwood, Arch., Adams St., Montgomery, Ala., is completing plans for the State University for a fireproof geological and biological building, combined power plant and engineering building and academic building; also for the enlargement of chemical laboratory. Estimated cost, $400,000. G. H. Jones is Registrar.

*MOBILE, ALA.—Bids are asked by Maj. W. E. Craighill, Corps Engrs., U. S. A., until noon, Dec. 10, for constructing three keeper's dwellings, with wharves, cisterns and privies, for Southwest Pass Light-Station, La.

NEW ORLEANS, LA.—Bids are asked at the Bureau of Yards and Docks, Navy Dept., Washington, until 11 a. m., Nov. 23, for installing an electric freight elevator in Building No. 6, at the U. S. Naval Station, New Orleans. Specifications are on file at the office of Engineering News, New York. William M. Smith is Acting Ch. of Bureau.

No bids were received by the Bureau of Yards and Docks, Navy Dept., Washington, in answer to an advertisement requesting bids on the construction of a Dispensary Building, New Orleans Naval Station, Nov. 2.

CHATTANOOGA, TENN.—Work will begin in a few days on the post-office addition which is to cost $110,000. The addition will consist of a 2-story wing to the building here.

CLEVELAND, OHIO.—Bids were received Oct. 31 at the office of James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for installation of the mechanical equipment at the Cleveland post-office and for the interior partitions and mason work at the same building: Mechanical equipment: John Pierce Co., New York, $129,000. Aug. 31, 1908. J. H. Nielson Co., Pittsburg, $142,550; Sept. 15, 1908. S. Faith & Co., 2427 Pennsylvania Ave., Philadelphia, $165,000; Nov. 9, 1908; The E. H. Abadie Co., Times Bldg., St. Louis, $193,974; Dec. 1, 1908. Shafer Co., Cleveland, $179,162; Oct. 20, 1908. John Gill & Sons, Cleveland, $172,460; Dec. 27, 1908.

Interior work: John Gill & Sons, Cleveland, $63,968; twelve months. John Pierce Co., New York, $59,000; ten months. Ambrose B. Stannard, St. James Bldg., New York, $92,867; ten months.

YOUNGSTOWN, OHIO.—Owsley & Boucherle have completed plans for a 4-story court-house to be built for the Mahoning County Commissioners, J. A. Cooper, Clk., to cost $900,000. Bids will be received after Nov. 10.

CINCINNATI, OHIO.—Plans are being prepared by Edward H. Dornette, Pickering Bldg., for a 3-story and basement press brick school building, 140 × 270 ft., at Linn St. and Armory Ave., for the Board of Education, William Grautman, Clerk. The building will contain 27 class rooms, kindergarten, manual training and domestic science department, gymnasium and auditorium. Cost, $200,000. Bids will be received by the Board about April 1.

Edward H. Dornette has finished plans for a 3-story and basement addition, 150 × 200 ft., to the 18th District School Building, Camp Washington, for the Board of Education. Cost, $125,000. Bids will be received by the Board in about 30 days.

TERRE HAUTE, IND.—We are officially advised that bids will be received Dec. 20, for constructing a county jail and sheriff's residence and for remodeling the old jail. The new building will be three stories high and of brick and steel construction. The bids received Oct. 30, by the Commissioners of Vigo County, for this were rejected, the lowest being $117,296. Jerome W. Denehie is County Audr.

*ANN ARBOR, MICH.—Bids are asked by James Knox Taylor, Superv. Arch. of the Treasury, until 3 p. m., Dec. 23, for constructing U. S. post-office at Ann Arbor.

CHICAGO, ILL.—Edward Benson, Arch., 1779 North Clark St., is preparing sketches for a 54-flat building near Park Boulevard. The structure will have three stories, 165 × 200 ft., and will be built of press brick with gravel roof, structural, architectural and ornamental iron, oak finish and floors, marble, mosaic and tile, consoles, mantels, gas and electric fixtures. Cost, $125,000.

It is reported that the Lithuanian-Americans of Chicago have secured a site at 46th St., and Western Ave., on which it is proposed erecting a hospital costing about $500,000. Joseph J. Elias is Pres. of the Bd. of Control of the Trustees.

Plans are being prepared by Marshall & Fox, 164 Dearborn St., for a warehouse for the A. C McClurg Co., Ogden Trevor McClurg, Secy., 215 Wabash Ave., to be erected on Ohio St. Cost, $250,000.

CHICAGO, ILL.—The Chicago Association of Commerce, Great Northern Bldg., intends to construct a building to be known as the Hall of Commerce and to cost $500,000. It is probable that the building will have twelve stories.

GREEN BAY, WIS.—Designs submitted by C. E. Bell, Bank of Commerce Bldg., Minneapolis, Minn., for the court-house to be erected by Brown County at a cost of about $250,000 were adopted by the Building Committee of the County Board.

ST. PAUL, MINN.—Plans for a new wing to the City and County Hospital, Colborne St., have been begun by C. H. Johnston, Arch., Manhattan Bldg., St. Paul. It will be three stories high, of strictly fireproof construction, pressed brick and cut stone, with steam heating, electric lighting, and tiled floors. Cost, $120,000.

Cass Gilbert, Endicott Bldg., is preparing plans for a 3-story pressed brick and cut stone, fireproof Mechanic Arts High School Bldg., to be built at Central Ave. and Robert St. It will be 100 × 200 ft. and work begun early in the spring. Cost, $200,000.

Louis Lockwood, German American Bank Bldg., has let general contract to GEORGE A. GRANT, New York Life Bldg., for a 2-story white granite, brick and stone office building, 100 × 110 ft., for the St. Paul Fire & Marine Insurance Co. Cost, $150,000.

MINNEAPOLIS, MINN.—John W. Thomas & Co., 500 Nicollet Ave., have taken out a building permit for their new store to be erected at Nicollet Ave. and Eighth St., on the former site of Plymouth Church. The building will have a frontage of 113 ft. on Nicollet Ave. and 132 ft. on Eighth st., with an "L" 44 × 52 ft. in the rear. It will be four stories high and be constructed of brick tile and steel. The cost is given as $175,000.

ST. LOUIS, MO.—George H. Kennerly, Benoist Bldg., is preparing plans for a 3-story apartment building for Claude Vrooman, 8½ North Eighth St. Brick, Carthage stone and terra cotta, hard plaster, architectural, ornamental and structural iron and steel will be used for construction. Cost, $200,000.

Bids are asked until noon, Nov. 15, by the Board of Public Improvements for reconstructing the east wing of the main building of the City Poorhouse, known as Building No. 1. Andrew J. O'Reilly is Pres. Bd.

CLEBURNE, TEX.—Bids are asked by John L. Cleveland, Chn. School Bd., Cleburne, until Nov. 14, for installation of central heating plant for school buildings. Plans on file at office of Sanguinet & Staats, Wilson Bldg., Dallas, Tex., Archs.

OKLAHOMA CITY, OKLA.—The Lee-Huckins Hotel Co. will erect five additional stories to hotel annex of steel, brick and concrete construction. Cost, $130,000.

LOS ANGELES, CAL.—We are officially advised that contract for the erection of the Hamburger Majestic Theater, at the west side of Broadway, just north of Ninth St., has been let to F. O. ENGSTRUM, 426 West Seventh St., at $230,000. Edelman & Barnet, 233 South Broadway, Los Angeles, are Archs. Mayberry & Parker are Constr. Engrs.

PASADENA, CAL.—It is stated that the high school is to be enlarged and two additional schools will be erected at a cost of $150,000. A. L. Hamilton is Supt.

HALIFAX, N. S.—The contract for the erection of the proposed $125,000 Church of England Cathedral here has been awarded to S. M. BROOKFIELD, LTD., 58 Granville St., Halifax.

MONTREAL, QUE.—The Catholic School Commissioners have decided to erect a school here at a cost of $135,000.

Plans have been completed for the construction of a new engineering building in connection with McGill University, to take the place of the one destroyed by fire in April. The new structure will be of fireproof construction and will cost about $275,000. W. Peterson is Principal; W. Vaughan is Secy.

WELLAND, ONT.—The Dominion Government proposes to call for bids for erection of an armory here for the accommodation of the Dragoons and the 44th Regiment. W. M. German, M. P., Welland, is interested.

OTTAWA, ONT.—Horwood & Taylor, Archs., 102 Bank St., Ottawa, have let the general contract for work on a proposed $250,000 collegiate institute to be erected here. The building will be of reinforced concrete construction, with blower system heating, slate roof, Georgia pine interior finish, cut stone trimmings, marble work, fireproofing, and the specifications include metallic lath, structural iron, ornamental iron fire escapes, electrical work, plaster relief work and plate glass. TAYLOR & LACKAY have been awarded the contract at a price of $225,000, they being the lowest tenderers. The contract specifies that the building shall be completed by the end of December, 1908.

VANCOUVER, B. C.—D. Spencer, Ltd., of this city have taken out a permit for the erection of a new store and arcade at a cost of $240,000.

MACDONALD, SNYDER & WILSON, of Victoria, B. C., have secured contract for the proposed court house here. Contract was about $400,000.

WATER SUPPLY—IRRIGATION.

(denotes that this work is advertised in Engineering News.)*

NEW YORK, N. Y.—Bids are asked until 2 p. m., Nov. 13, by John H. O'Brien, Comr. of Water Supply, Gas and Electricity, Borough of Manhattan, for erecting a system of water curtains, with all piping, valves, manifolds, sprinkler heads, brackets, supports, etc., in place and ready for operation in the high-pressure pumping stations at Oliver and South Sts., and at Gansevoort and West Sts.

ALCOVE, N. Y.—The Hannicroix Water Co. has been authorized by the State Water Supply Commissioner to build its proposed 30,000-gal. storage reservoir here.

EASTVIEW, N. Y.—A. DUELL has been awarded the contract to lay mains from the Tarrytown water-works to the county almshouse here, at $3,500.

*ROME, N. Y.—Blue print is on file at office of Engineering News, New York, for proposed intake dam, tunnel, aqueduct and reservoir. This work is advertised in Engineering News. Knight & Hopkins, Engrs., Rome, advise us that the city expects also to let a contract early next year for furnishing and laying nearly six miles of cast-iron gravity main from the reservoir at Stokes to connect with the distributing system in the city. The general plans of all of the above work are completed and contractors can now see practically everything relating to the extent and conditions of the contemplated work and it would be to the advantage of contemplating bidders to visit the site of this proposed work during the month of November or early December, as later the ground will be likely to be frozen and obscured by snow. The engineers will go over it any day with those wishing to bid.

RED BANK, N. J.—H. B. PITCHER has been awarded the contract for building the 100,000-gal. concrete reservoir to be used as an auxiliary water supply.

PHILADELPHIA, PA.—We are officially advised that the D'OLIER ENGINEERING CO., 121 South Eleventh St., was awarded the contract, Oct. 22, by the Department of Public Works for three boilers, complete, for the Torresdale pumping station, at $32,350.

The ALLIS-CHALMERS CO., Milwaukee, Wis., was awarded the contract for a centrifugal pump at $18,700, and the H. W. JOHNS-MANVILLE CO., 21 North Second St., for magnesia covering, at $7,966.

NORFOLK, VA.—Bids will soon be asked by the Board of Control, for the purchase of water-meters. About 2,000 meters will be required.

*NORFOLK, VA.—Bids are asked until noon, Nov. 18, by the Board of Control, for furnishing 2,000 %-in. and ¾-in. water-meters, 2,000 water-meter boxes, 2,000 %-in. and ¾-in. water-meters and boxes, 2,000 %-in. and ¾-in. water meters and meter boxes. H. Hodges is Chn. Bd.

LUMBERTON, N. C.—F. M. FARREL, Merry Oaks, N. C., has been awarded the contract by the city for the extension of the water-works and sewer systems, at $18,750.

WILMINGTON, N. C.—Negotiations have been closed by the city with the Clarendon Water Works Co., for the purchase of its plant, which will be enlarged and operated as municipal property. The price agreed upon was $155,000.

MOUNT OLIVE, N. C.—Bonds for $25,000 have been voted by the city for the construction of water works and sewer systems.

ATLANTA, GA.—The following bids were opened Oct. 25, by the Bd. of Water Comrs. and a Special Committee of the City Council for the construction of new filters at the Hemphill station: The Continental-Jewell Filtration Co., New York, $30,000; for a plant with a number of changes, but one which it was stated would do the work, $22,000. The Roberts Filter Manufacturing Co., Philadelphia, $21,600. The Philadelphia Water Purification Co., $26,125; for a plant with some minor changes in the specification, $25,125. The Norwood Engineering Co., Northampton, Mass., $31,000.

Bids are asked by the Board of Water Commissioners and a Special Committee of the Council, until Nov. 12 for the construction of 13,000 ft. of 36-in. water-pipe, guaranteed to stand a pressure of 200 lbs. to the square inch after being laid. F. P. Rice is Chn. Joint Com.

TUNNELL HILL, GA.—The NOEL CONSTRUCTION CO. has been awarded the contract for installing a water system at Catoosa Springs.

ATLANTA, GA.—Bids will soon be asked by the Water Board and a special committee of the Council for pipe to finish laying new water-main from Casey's hill to the reservoir. R. M. Clayton is City Engr.

LOGANSPORT, IND.—Bids are asked until 2 p. m., Nov. 12, by the County Surveyor for the construction of the James T. Braun ditch, in Jackson Township, Cass County.

MARION, IND.—Bids are asked by Clarkson D. Smith, Supt. of Construction of the Hardy ditch, located in Jefferson Township, until 2 p. m., Nov. 11, for the construction of the same.

PESOTUM, ILL.—Bids are asked until 2 p. m., Nov. 23, by the State Drainage Commissioners of District No. 1 at the office of the Town Clerk for the construction of a tile drain, the work to be done to consist of the following: 4,200 ft. of 16-in. tile; 3,480 ft. of 15-in. tile; 980 ft. of 14-in. tile; 1,445 ft. of 12-in. tile; 600 ft. of 10-in. tile, together with the connections necessary for the construction of the work. B. A. Hyatt is Town Clerk.

DE PERE, WIS.—We are officially advised that the SHEFFIELD CAST IRON PIPE & FOUNDRY CO. has been awarded the contract by the Board of Water Commissioners for 4,600 ft. of 6-in., 8-in. and 10-in. cast-iron pipe and specials at $3,526. George P. Hawley is City Engr.

CEDAR RAPIDS, IOWA.—A complete system of water-works will be installed at Beaver Park, the Park Commission having decided that the present facilities at the park are inadequate.

BONESTEEL, S. DAK.—Work has begun on the new water-works system in this city. FRANK MACE, Bonesteel, was awarded the contract for the construction of the well, which is to be about 100 ft. deep and capable of supplying 250 gals. per minute. Estimated cost, $15,000.

WHARTON, TEX.—We are officially advised by the Weber-Diller Construction Co., Houston, Tex., that this company is the designing engineer for the irrigation plant to be built for the Wharton Irrigation Co. on the Colorado River, two miles west of Wharton. The plant will eventually irrigate 25,000 acres of land. Equipment, etc., will be supplied and erected by the ALLIS-CHALMERS CO., of Milwaukee, Wis.

BAY CITY, TEX.—A drainage district, to be known as the Matagorda County Drainage District No. 1, will be created shortly. Estimated cost, $146,000.

TEMPLE, TEX.—Bonds for $150,000 have been voted by the city for the purchase and improvement of water-works.

McKINNEY, TEX.—The city will extend the water-system, a vote on the bond issue to be taken this month. Estimated cost, $8,000.

HOBART, OKLA.—Bids are asked until Nov. 9, by A. W. Kerr, City Clk., for the extension of the water mains, the work requiring approximately 18,000 ft. of 4-in. c. i. pipe, 5,500 ft. of 6-in. c.-i. pipe, 28 fire hydrants, four 6-in. valves, and eleven 4-in. valves.

GREELEY, COLO.—The Pierce Irrigation Co. is planning to extend the Pierce lateral eight miles to Owl Creek. Estimated cost, $30,000.

SANTA FE, N. MEX.—Bids are asked until 11 a. m., Nov. 21, by Maj. M. Gray Zalinski, Q. M., U. S. A., Washington, D. C., for repairs to the water-supply and improvements at the Santa Fe National Cemetery.

SEATTLE, WASH.—Bids are asked until Nov. 16 by C. B. Bagley, Secy. Bd. Pub. Wks., for constructing water mains, together with necessary sewers, in 11th Ave., Northwest, from West 70th St. to West 85th St. Estimated cost, $8,075.

We are officially advised that the INTERNATIONAL CONTRACT CO., 737 New York Block, Seattle, has been awarded the contract by the Board of Public Service for constructing water mains in 31st Ave., from Irving to Holgate Sts., at $4,430.

TACOMA, WASH.—THE LISTER CONSTRUCTION CO. has been awarded the contract for laying water-mains in the new district, which includes the Badgerow tract, at $20,075. Frank L. Davis is City Engr.

PORTLAND, ORE.—Bids are asked until Nov. 18 by Lieut.-Col. S. W. Roessler, Corps. Engrs., U. S. A., for four hoisting engines, three locomotives and two boilers.

PHOENIX, ARIZ.—Bids are asked until Nov. 15 by the Superintendent of Water Works for improvement to the water-works. Robert Craig is Supt. W.-Wks.

LEWISTON, IDAHO.—Bids are asked until Nov. 11 by the Common Council for 9,400 ft. 12-in., 5,400 ft. 8-in., 4,000 ft. 6-in. and 14,000 ft. 4-in. c.-i. or steel pipe, all pipe to be kalamain or kalamain and asphalted, or asphalted only, warranted to withstand a pressure of 300 lbs. to the square inch; 14,000 lbs., 4 to 12-in. c.-i. fittings: 12,000 lbs. pig lead; six 12-in., 17 8-in., 27 6-in. and 48 4-in. valves; 20 6-in. and 20 4-in. frostproof fire hydrants. John E. Nickerson is City Clk.

SEWERAGE.

(denotes that this work is advertised in Engineering News.)*

BOSTON, MASS.—Bids are asked until Nov. 15, by the Metropolitan Water and Sewerage Board, 1 Ashburton Pl., for constructing in rock and earth trench and tunnel, Section 81, and parts of Sections 83 and 85 of the extension of the high level sewer, South Metropolitan system, in Brookline and Brighton. William M. Brown is Ch. Engr.

BROOKLYN, N. Y.—A sewer may be laid in Evergreen from Irving Ave. and Halsey St. to Wyckoff Ave. and Grove St. Estimated cost, $5,000.

TROY, N. Y.—The contract for the construction of a 12-in. sewer in Tibbits Ave., from Orchard to Burdett Ave., has been awarded by the Board of Contract and Supply to JOHN WARNICK & SONS, at $4,288.

BROOKLYN, N. Y.—Bids are asked until 11 a. m., Nov. 20, by Bird S. Coler, Pres. Boro. Brooklyn, for constructing sewers in various streets.

ROCHESTER, N. Y.—HOUSTON, BARNARD, 8 Reynolds St., Rochester, have been awarded the contract by the Board of Contract and Supply for building the sub-structure for a pumping station for the new sewer in the 21st Ward and in a portion of the 12th Ward, at $6,572. Edwin A. Fisher is City Engr.

*WHITE PLAINS, N. Y.—The time for opening bids for construction of the Bronx Valley Sewer has been extended to 1.30 p. m., Nov. 29. Frank N. Glover is Secy., 2 Grand St., White Plains.

PITMAN GROVE, N. J.—Bids are asked until 8 p. m., Nov. 11, by the Borough Council of Pitman, for the construction of about 1,630 lin. ft. of 24-in. T. C. storm water sewer, and about 1,100 ft. of 20-in. of same, and necessary inlets and manholes. J. R. Treat is Borough Clk. William M. Carter is Borough Engr., Woodbury, N. J.

RUTHERFORD, N. J.—A complete sewer system will be installed at East Rutherford, N. J., the municipality having voted for the improvement Oct. 28. Estimated cost, $45,944.

HATTIESBURG, MISS.—Specifications for the construction of sanitary sewers are on file at the office of Engineering News, New York. Bids are asked until Nov. 7.

CHATTANOOGA, TENN.—The contract for the construction of the storm water sewer in Chestnut St. has been awarded by the Board of Public Works to GUILD & CO., at $61,231.

SPRINGFIELD, OHIO.—Bids are asked until Nov. 20 by the Board of Public Service for the construction of a high level sewer in various streets.

CANTON, OHIO.—Bids are asked until noon, Nov. 25, by the Board of Public Service for constructing storm water sewers in Bridge St. B. F. Faust is Clk. Bd.

CINCINNATI, OHIO.—The contract for the construction of sanitary sewers in Wayne Ave., Wyoming and other South Park streets, was let Oct. 25 by the Board of Public Service to SHAFER & DILL, at $13,260. Charles N. Danenhower is Ch. Engr. Bd. Pub. Serv.

YOUNGSTOWN, OHIO.—Bids are asked by the Board of Public Service until noon, Nov. 7, for constructing a sewer in Truesdale St., from Sheehy St. to Wilson Ave., and in Rigby St., from Bruce St., to Byron St. W. H. McMillin is Clk. Bd.

*SPRINGFIELD, OHIO.—Bids are asked until noon, Nov. 20, by the Board of Public Service for the construction of that portion of the high-level intercepting sewer lying in: Main St., between Walter St. and Western Ave., in Western Ave. between Main and Columbia Sts., in Columbia St. between Western Ave. and Light St., in Light St. between Columbia and North Sts., in North St. between Light and Factory Sts., in Factory St. between North and Main Sts., on the following approximate quantities: 2,006 ft. 24-in. vitrified pipe, plain or reinforced concrete sewer; 5,554 ft. 30-in. vitrified pipe, plain or reinforced concrete sewer; 2,166 ft. 33-in. vitrified pipe, plain or reinforced concrete sewer; 9,376 ft. 6-in. pipe house connections, average depth 10 ft.; 71 6-in. on 24-in. Y branches; 158 6-in. on 30-in. Y branches; 64 6-in. on 33-in. Y branches; 800 ft. 8-in. sanitary sewer; 50 ft. 18-in. sanitary sewer; 10 ft. 30-in. sanitary sewer; 32 round manholes, 4 ft. inside diameter, average depth 12 ft.; 8 single drop manholes; 1 double drop manhole; 1 regulator as per plan; 41 manhole covers and frames; 475 manhole steps; 115 cu. yds. Class A concrete; 17,875 cu. yds. rock excavation. F. A. Crothers is Clk. Bd. W. H. Sieverling is City Engr.

INDIANAPOLIS, IND.—Bids are asked until 10 a. m., Nov. 11, by Board of Public Works for construction of sewers. Blaine H. Miller is City Engr.

FORT WAYNE, IND.—Bids are asked until 7.30 p. m., Nov. 7, by H. W. Becker, clk. Bd. Pub. Wks., for constructing vitrified clay pipe sewer in alley between Huestia Ave. and Grace Ave.

SEYMOUR, IND.—Bids are asked until 8 p. m., Nov. 11, by Fred Everback, City Clk., for construction of a 10-in. sewer and a 15-in. sewer.

AURORA, IND.—Bids are asked until 7 p. m., Nov. 11, by the Common Council, for the construction of sewers, the size of the pipe required running from 6-in. to 20-in. Engineer's estimate is $12,000. Frank D. Johnston is City Clk.

FARMINGTON, ILL.—We are officially advised that plans have been completed by Charles F. Sturtevant, Consulting Engr., for a system of sewers and disposal works.

HARVARD, ILL.—A sewage system will be installed in this city. About nine miles of sewer pipe will be laid. Estimated cost, $52,000.

DUQUOIN, ILL.—Bids are asked until 7.30 p. m., Nov. 7, by the Board Local Improvements for the construction of sewers, manholes, connections, etc., in various streets. L. B. Kelly is Clk. Bd.

DUBUQUE, IOWA.—Bids are asked until 8:30 p. m., Nov. 7, by Edmund A. Linehan, City Recdr., for the construction of an 8-in. tile pipe sanitary sewer.

CEDAR RAPIDS, IOWA.—The following bids were opened Oct. 24 in the City Engineer's office for laying the 8-in. pipe sewer in the Sixth ward: M. Ford, $3,769; W. A. Edgar, $3,921.

ST. PAUL, MINN.—The contract for constructing a sewer across the right-of-way of the Minneapolis, St. Paul & Sault Ste Marie Ry. Co. on York St. has been awarded to the GENERAL CONTRACTING CO. at $11,490. The engineer's estimate was $10,140.

WAHPETON, N. DAK.—Bids are asked until 8 p. m., Nov. 11, by William R. Purdon, City Audr., for the construction of a sewer extension in Sewer District No. 1.

EXCELSIOR SPRINGS, MO.—J. J. WILLIAMS has been awarded the contract by the City Council for the construction of sewer mains in District No. 39, at $5,637.

HOBART, OKLA.—Bids are asked until Nov. 9, by A. W. Kerr, City Clk., for the construction of a complete storm water sewer system, the work consisting of the following: 585 ft. 48-in. sewer, concrete or brick; 820 ft. 42-in. sewer, concrete or brick; 490 ft. 36-in. sewer, concrete or brick; 476 ft. 30-in. sewer, concrete or brick, 476 ft. 21-in. sewer, concrete, brick or pipe; 772 ft. 18-in. sewer, concrete, brick or pipe; 2,085 ft. 15-in. sewer pipe; 420 ft. 12-in. sewer pipe; 1,625 ft. 10-in. sewer pipe; 16 manholes; 34 catch-basins. O. S. Noble is City Engr.

SEATTLE, WASH.—Bids are asked until Nov. 16 by C. B. Bagley, Secy. Bd. Pub. Wks., for the construction of sewers in, and concrete sidewalks on, Roanoke and other streets, estimated cost, $15,000; and for the construction of a sewer and alterations to the water-main system in Elliott Ave., estimated cost, $6,200.

We are officially advised that the following contracts have been awarded by the Board of Public Works: For constructing a relief sewer in East Denny Way, from Harvard to Eastlake Aves., to STIRRAT & GOLTZ, Pioneer Block, at $7,234; for constructing a sewer in Fremont Ave. from 120 ft. south of the south margin of North 89th St. to Kilbourne St., to the RICH-HARRIS CONSTRUCTION CO., at $3,047.

OAKLAND, CAL.—Bids will soon be asked by the Board of Public Service for the extension of the east side sewer from East 11th St. to East Eighth St. F. C. Turner is City Engr.

LOS ANGELES, CAL.—C. UKROPINS, 665 South Fernandino St., has been awarded the contract by the Board of Public Works for the construction of a sewer in Congress Ave., at $22,500.

SALT LAKE CITY, UTAH.—Bids are asked until 8 p. m., Dec. 6, by the Board of Public Works for the construction of pipe sewers in Sewer Extension No. 191. F. J. Leonard is Chn. Bd. Louis C. Kelsey is City Engr.

The Board of Public Works let the contract Oct. 25 for the installation of an intercepting sewer pumping station to the FAIRBANKS-MORSE CO., 12 Dey St., New York, at $13,375.

STREETS AND ROADS.

(denotes that this work is advertised in Engineering News.)*

STAMFORD, CONN.—O'CONNER BROS., Stamford, have been awarded the contract by the Highway Commissioner for the construction of 5,450 ft. of macadam road in Bedford St. at $1.96 per ft., and for the construction of 3,547 ft. on Sumner St., at $1.69 per ft.

NOANK, CONN.—ARRIZONI BROS., Durham, Conn., have been awarded the contract by the Selectmen for the construction of the state highway between Mystic and Noank, at $1.58 per lin. ft. for native rock bed and $1.77 per lin. ft. for trap rock.

NEW YORK, N. Y.—The following bids were opened Oct. 9 by Bird S. Coler, Pres. Boro. of Brooklyn, for regulating and repaving with asphalt on a concrete foundation, Bedford Ave., from Division [illegible] to Heyward St.: THE BROOKLY[illegible] ALCATRAZ CO., 12th St. and Gowanus C[illegible] Brooklyn, 15,490 sq. yds. asphalt, $[illegible] (awarded contract): Cranford Co., 19[illegible] [illegible]tague St., Brooklyn, $69,240; Uvalde A[illegible] [illegible]t Paving Co., 1 Broadway, New York, [illegible] [illegible]4; Barber Asphalt Paving Co., 114 Li[illegible] St., New York, $61,083.

Bids are asked until Nov. 1[illegible] [illegible] Bird S. Coler, Boro. Pres., for paving p[illegible] [illegible] of Kenilworth Place, East Fifth, Ea[illegible] [illegible]th, Eleventh, Lynch and Martense S[illegible] Newkirk, Prospect and Ovington Aves., r[illegible] [illegible]g 20,629 sq. yds. asphalt pavement, 1[illegible] [illegible] sq. ft. cement sidewalk, 2,395 cu. [illegible] concrete, 3,990 lin. ft. new curb.

NEW YORK, N. Y.—The Ba[illegible] [illegible] Asphalt & Paving Co., 114 Liberty St[illegible] [illegible] York, submitted the lowest bid for [illegible] [illegible]g various streets in the Boro. of Bro[illegible] at $35,755.

SYRACUSE, N. Y.—The low[illegible] [illegible]d submitted for paving Borden Ave[illegible] [illegible] that of the Quinlan Asphalt Co., at $1[illegible]

NEW YORK, N. Y.—Bids are [illegible]d until 11 a. m., Nov. 20, by Bird S[illegible] [illegible] Pres. Boro. Brooklyn, for regulating [illegible] [illegible]paving various streets, and delivering [illegible] [illegible]el and paving pitch.

HARRISBURG, PA.—Bids ar[illegible] [illegible]ked by the State Highway Departmen[illegible] [illegible]l Nov. 12 for constructing 6,427 ft. of m[illegible] [illegible] road, 16 ft. wide, in Ashton Town[illegible] [illegible] Delaware County.

PITTSBURG, PA.—Bids are [illegible]d until noon, Nov. 12, by the Comm[illegible] [illegible] of Allegheny County, for the per[illegible] [illegible]t improvement of a section of public [illegible]way in Elizabeth Township. F. P. Booth [illegible] County Controller.

DENTON, MD.—Bids are asked [illegible]il noon, Nov. 12, by S. L. Dukes, C[illegible] County Comrs., for grading and macad[illegible]ing one mile of the Denton Three Bridge[illegible] road.

BROOKHAVEN, MISS.—Bids ar[illegible] [illegible]ked by the City Clerk until Nov. 18 [illegible] laying about five miles of concrete sid[illegible]

MEMPHIS, TENN.—Bids are [illegible]d until noon, Nov. 7, by Ennis M. Do[illegible], City Register, for paving Laclede Av[illegible] between La Belle Place and Lauderdale [illegible], with gravel.

NORWOOD (CINCINNATI), OHIO.—Bids are asked by the Board of Public Service until noon, Nov. 16, for grading, macadamizing and constructing concrete curbs and gutters in Warren Ave. J. B. Stewart, Engr., 712 Traction Bldg., Cincinnati.

LIMA, OHIO.—Bids are asked by the Board of Public Service until noon, Nov. 12, for sewering, guttering, curbing and macadamizing North Jefferson St., from Findlay road to the right-of-way of the Lake Erie & Western R. R. Co. L. L. Crumrine is Secy. Bd.

EVANSVILLE, IND.—The Board of Public Works has awarded the contract for artificial stone sidewalk intersections to the ANCHOR ROOFING & PAVING CO., Evansville, Ind., and contract for brick sidewalk intersections to W. AFTERHAAR, Evansville, Ind.

FORT WAYNE, IND.—The contract for paving Knitter's Ave., with Nelsonville brick, was let Oct. 28, by the Board of Public Works, to DERHEIMER & CO.

GARY, IND.—Arrangements have been completed between the Gary Land Co. and the East Chicago Land Co., by which a boulevard, 80 ft. wide, will be built in Lake County.

PORTLAND, IND.—Bids are asked by the Common Council until 7 p. m., Nov. 7, for the construction of cement walks. Walter Hotsenpiller, City Clk.

BLUFFTON, IND.—Bids are asked until 10.30 a. m., Nov. 16, by the Commissioners of Wells County for the construction of several gravel roads in Rockcreek, Lancaster, Chester and Nottingham Townships.

LEBANON, IND.—Bids are asked until 1 p. m., Dec. 14, by the Commissioners of Boone County for the construction of a gravel road on the county line between Boone and Hamilton Counties.

LA SALLE, ILL.—KEYES & McNAMARA have been awarded the contract by the city for paving Wright St., between Fifth and Eleventh Sts., at $25,903. E. Noonan is City Engr.

CHICAGO, ILL.—Bids are asked until 10.15 a. m., Nov. 7, by the Board of Public Works for the construction of cement sidewalks in various streets. Ora E. Chapin is Secy. Bd.

ELGIN, ILL.—Plans have been completed by the City Engineer for improving North Liberty St. by paving and curbing; about 3,600 sq. yds. of brick paving will be required.

JACKSONVILLE, ILL.—The following bids were opened Oct. 14 by the Board of Local Improvement, for paving in Districts Nos. 3 and 4: Shirtz & Bates, Lincoln, $82,737; F. J. Traut and T. F. Schn[illegible]r, Jacksonville, $79,805; P. H. Tiernan, Macomb, $84,306; T. F. Layden, $88,750; John Bretz, Springfield, $81,115; for Culver block, $83,763; A. F. Frank, Jacksonville, $[illegible]244; J. E. Salisbury & Co., Aurora, $8[illegible]025; Ora F. Dunlop, Edwards, $83,287. C. W. [illegible], Jackson is City Engr.

EVANSTON, ILL.—Bids are asked by the Commissioner of Public Works, City Hall, until 8 p. m., Nov. 7, for paving with brick Emerson Ave., from West Railroad to Dodge Aves.

LITTLE FALLS, MINN.—Bids are asked by Ole Wahl, Commissioner Morrison County, until 1 p. m., Nov. 7, for road w[illegible] between Little Falls and Darling and along the tracks of the Northern Pacific R. R. Co.

KANSAS CITY, MO.—Bids are asked until 11 a. m., Nov. 7, by E. A. [illegible]er, City Engr., for constructing artificial stone curb on portions of seven streets.

ST. LOUIS, MO.—Bids are asked until noon, Nov. 19, by the Board of Public Improvements, for improving various alleys. Andrew J. O'Reilly is Pres. Bd.

FAIR VIEW, TEX.—R. K. DABNEY has been awarded the contract for paving Birge St. with bitulithic at $1.50 per sq. yd. and 40 cts. per ft. for curbing.

BEAUMONT, TEX.—We are officially advised that Jefferson County, Tex., has issued bonds for $300,000 for the construction of sewers. Work will begin in December. James F. Weed is Engr-in-Charge.

EL PASO, TEX.—The contract has been awarded by the City Council for paving Magoffin Ave., to the TEXAS BITULITHIC CO., at $1.87½ per yd.

SEATTLE, WASH.—The only bid received Oct. 1[illegible] by the Board of Public Works for grading and paving with asphalt and constructing sewers in 40th Ave. was that of Rich & Hanson, Seattle, at $120,475.

OLYMPIA, WASH.—Bids are asked until 10 a. m., Nov. 9, by the State Highway Board for grading and graveling State Aid road No. 2, known as the N. W. Diagonal road, near the city of Bellingham, Wash. Joseph M. Snow is Secy. Bd.

SEATTLE, WASH.—Bids are asked until Nov. 1[illegible] by C. B. Bagley, Secy. Bd. Pub. Wks., for grading and paving as follows: West 85th St., estimated cost $8,400; 19th Ave., Northwest, estimated cost, $8,654; Roanoke St., with necessary sewers, estimated cost, $15,000.

Following is a list of the bids opened by the Board of Public Works on Oct. 29: Mercer St., bid submitted by Holt & Jeffery, 310 Hinckley Block, only bidder; fixed estimate, $500; clearing and grubbing, lump sum, $3,000; earthwork, 45,000 cu. yds., 15 cts.; curbs and gutters, 22 M. ft. B. M., $24; one catch basin, two inlets, $80; three catch basins, one inlet, $70; manholes to be constructed, six, $50; one inlet, $30. Total of bid, $11,398. City Engineer's preliminary estimate, $18,500.

Madison St., from First Ave. to Second Ave., by paving the same with sandstone blocks. Hans Pederson, 501 Fairview Ave., $5,794; H. J. Jahn & Co., 571 Colman Block, $6,876; Rich-Harris Construction Co., Seattle, Wash., $6,206; Spearger Concrete Co., 562 Colman Bldg., $6,397. City Engineer's preliminary estimate, $5,500.

We are officially advised that the following contracts have been awarded by the Board of Public Works: For constructing concrete sidewalks on and extensions to the sewer system in East Olive St., to E. H. RAWLE & CO., 313 Boston Block, Seattle, at $10,791; for constructing concrete walks on Kilbourne St., from First Ave., Northeast, to Ashworth Ave., to RICH & HARRIS, Seattle, at $13,533; for grading and planking 12th Ave. and other streets, to JOSIAH JONES, 228 3rd Ave., at $3,853; for paving with asphalt, Boylston Ave., North, from Denny Way to John St., to the INDEPENDENT ASPHALT CO., 602 Bailey Bldg., at $5,108. C. B. Bagley is Secy. Bd.

FORT FLAGLER, WASH.—Bids are asked in triplicate until 11.30 a. m., Nov. 26, by Lieut. John C. Henderson, Q. M., U. S. A., Fort Flagler, Wash., for clearing and grading a roadway 3,575 ft. long, to connect with the county road.

LOS ANGELES, CAL.—THE BARBER ASPHALT CO., Seventh and Hooper Sts., San Francisco, has been awarded the contract by the Board of Public Works, for paving First St., from Chicago St. to the west line of Anderson St., at 19½ cts. per sq. ft.

The contract for improving D St. by grading and graveling was let to FRANK GILLESPIE, 1101 East Washington St., Los Angeles, at $2.20 per lin. ft., and 35 cts. per lin. ft. for cement curb.

MANUFACTURING PLANTS.

(denotes that this work is advertised in Engineering News.)*

WOONSOCKET, R. I.—The J. W. BISHOP CO., 109 Foster St., Worcester, has secured the contract to erect a thread mill in the Privilege District of Woonsocket for the Lawton Spinning Co., of Woonsocket. Probable cost, $450,000.

HAVERSTRAW, N. Y.—The directors of the Home Silk Mills of Haverstraw have decided to enlarge the present plant. The capital stock of the mill is to be increased to $300,000. The management intends to erect a 2-story brick building, 36 × 80 ft., on the site formerly occupied by the Haverstraw Dyeing Co. and install in the new building machinery for throwing Organ and Tram stock, and the space not occupied by throwing machinery will be filled with high-speed looms.

NEWARK, N. J.—Wilson, Harris & Richards, Drexel Bldg., Philadelphia, Pa., it is reported, have prepared plans for a brick 300 × 80-ft. manufacturing plant, which is to be erected in Newark for the General Electric Co. Henry W. Darling, Schenectady, N. Y., is Secy.-Treas.

FRANKLIN, PA.—The Atlantic Refining Co., Franklin, Pa., will double the capacity of the Eclipse refinery at this town, it is reported. Cost, $75,000.

NEW KENSINGTON, PA.—The New Kensington Ice & Cold Storage Co., New Kensington, Pa., will build a plant, 115 × 58 ft. Cost, $50,000.

WEST SIDE (Philadelphia post-office), PA.—The Keyser Valley Throwing Co. will erect a silk mill on Jackson St., near the Delaware, Lackawanna & Western R. R. Foundation work has been started and it is expected that the plant will be complete by Jan. 1.

PHILADELPHIA, PA.—Charles Barton Keen, Arch., 1218 Chestnut St., has completed plans and is inviting estimates for erection of a dormitory and laundry building in the grounds of the Western Home for Poor Children, at 41st and Baring Sts. The building will be two stories high, of brick and stone, 22.1 × 32 ft. On the first floor will be the laundry, drying and linen rooms, and the dormitory will occupy the second story.

*Plans have been filed in the Bureau of Building Inspection for erection of an addition to the plant of the Spreckels Sugar Refining Co., on the Delaware River at the foot of Reed St. The new building will provide space for a number of new boilers. It will be three stories and a basement in height, and will measure 109 × 57.6 ft. The materials of construction are to be brick, concrete and steel. The plans call for a smokestack 10 ft. in diameter and 170 ft. high, part of steel and brick. J. F. Pool is Engr.

WASHINGTON, D. C.—Edgar J. Huise, sheet-metal worker, 321 13th St., N. W., has awarded contract to RICHARDSON & BURGESS, Colorado Bldg., for alterations to his factory and offices and construction of 4-story addition, 19 × 55 ft.

SUFFOLK, VA.—It is stated that Milton T. Elliott is interested in a company to erect a peanut factory. Two buildings will be erected; factory, 60 × 60, 65 ft. high; warehouse, 50 × 100 ft. Cost of buildings and machinery, $25,000; capacity of plant, two cars cleaned peanuts per day. Thomas Swain is Arch. and Engr. The offices of Mr. Elliott are at 83 Park Pl., New York, and Suffolk, Va.

ALBANY, GA.—A 10,000-spindle cotton yarn mill, capitalized at $250,000, will be erected here. H. W. Johnson, John K. Pray and W. W. Pace are interested.

ST. STEPHENS, ALA.—John R. Markley, of Markley & Miller, 406 West Lake St., Chicago, Ill., is interested in cement lands near St. Stephens, and it is reported that he will establish a cement plant, investing about $2,000,000.

MERIDIAN, MISS.—The Soule Steam Feed Works will erect machine shop, two stories high, 50 × 150 ft., mill construction. The old machine shop will be converted into a warehouse.

LAUREL, MISS.—It is reported that the Wausau Southern Lumber Co., Wausau, Wis., owning about 60,000 acres of timber land near Myrick, Miss., will establish saw and planing mill at Laurel having an annual capacity of about 60,000,000 ft. About 100 acres will be required as site. It is stated that company has contracted with one of the railroads entering Laurel to build 12-mile branch line to its timber lands, over which the mill will be logged.

AMESVILLE, LA.—The Goodwill Mfg. Co. will establish cotton-seed products plant covering 29 acres and consisting of seven buildings. Work will soon begin under the supervision of J. T. Swarbout of the C. L. Gray Construction Co., St. Louis, Mo., whose present address is the Denechaud Hotel, New Orleans, La. Cost is estimated at $37,000.

NASHVILLE, TENN.—G. N. Tillman, 307½ Second Ave., North, will erect building to be used for lithograph and engraving plant, three stories and basement, of brick and stone, 40 × 170 ft., with heating, lighting and sanitary equipment, and to cost $35,000. Plans prepared by C. A. Ferguson, the Arcade.

NEWPORT, TENN.—The Crescent Engineering Co. will enlarge present plant and provide improvements to facilitate economy in production. It will build water-power electrical plant of 300 HP., including construction of dam and installation of turbines connected to generators. Main building of shops is 70 × 200 ft., with separate foundry; planing mill will be about 50 × 100 ft. in size and will have dry kilns; printing department will occupy 40 × 90-ft. building; concrete department will produce crushed stone for concrete construction, concrete blocks, etc. All machinery has not been purchased.

MODOC, IND.—A. A. Conarroe will soon ask bids for the construction of a factory to manufacture a patent buggy stand.

CHICAGO, ILL.—Hackie & Lovejoy propose erecting at 589 South Paulina St., a 3-story 56 × 124-ft. factory, to cost $75,000.

DES MOINES, IOWA.—The Des Moines Bottle & Glass Co. will establish a factory at once, erecting a building to cost $20,000.

PERRY, IOWA.—The Van Camp Packing Co., Kentucky Ave. and River St., Indianapolis, Ind., has announced its intention of constructing a milk condensing plant at Perry, to cost about $100,000. Construction probably will not begin until spring. Frank Van Camp is Pres.

DULUTH, MINN.—The Minnesota Steel Co. will construct a steel rail mill in addition to the steel plant to be erected at Spirit Island. Estimated cost, $10,000,000.

ROSEDALE (Kansas City post-office), KAN.—J. Oliver Hogg, 947 New York Life Bldg., Kansas City, Mo., is preparing plans for a plant for the Bradley-Alderson Co., of Kansas City, Mo., to be erected on Hill St., Rosedale. Contracts for buildings will be let in December, and contracts for power plant in February. Two electric elevators will be installed. The building will be three stories high, 200 × 181 ft., of reinforced concrete construction and will cost about $50,000.

THREE FORKS (Logan post-office), MONT.—F. L. Smidt & Co., 41 Cortlandt St., New York, N. Y., are the Des. and Consult. Engrs. for the Three Forks Portland Cement Co., of Three Forks. No contracts will be let until complete plans and preliminary estimates have been approved.

ST. LOUIS, MO.—The Domestic Gas Co. will erect a plant for manufacturing gas-producing machinery at a cost of $50,000. H. L. Horton and A. L. Vaughn are interested.

WEBB CITY, MO.—The Keller Steam Economizer Co., Joplin, will erect a plant, 75 × 100 ft., at Webb City, six miles from Joplin, to cost $35,000. John R. Holmes and Fred O. Small are interested.

BEAUMONT, TEX.—The Beaumont Ice, Light & Refrigerating Co. will install 150-ton ice-making machine, total capacity of plant to be 380 tons. The engines in electric plant will be made condensing and will be used with other additional equipment. T. D. Smith, Beaumont, is Supt. and Ch. Electrician.

OKLAHOMA CITY, OKLA.—The Oklahoma City Steel & Iron Works has been incorporated with $10,000 capital stock by H. M. Little, 1106 Main St., Oklahoma City. H. F. Mitchell and Lewis Althoff, both of Kansas City, Mo. Company will establish structural steel plant in Oklahoma City with capacity of four cars weekly; will be branch of Riverside Steel Works of Kansas City.

LAS ANIMAS, COLO.—Bids will be received at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until Nov. 16, for furnishing and installing laundry equipment in the naval hospital, New Fort Lyon, Las Animas, Colo. R. C. Hollyday is Ch. of Bureau.

DENVER, COLO.—A. DANIELSON is reported to have secured the contract to erect a 2-story ice cream plant for C. G. Carlson at Larimer and 13th Sts., which is to cost about $25,000. F. E. Edbrooke, 510 Opera House Block, is Arch.

SPOKANE, WASH.—The Schade Brewing Co. has been granted a permit to erect a 2-story brick and cement addition to its brewery at a cost of $28,000.

PHOENIX, ARIZ.—H. C. Eckels of this city, is planning to establish a factory for the manufacture of cement under the patent of the Keystone Fireproof Cement Co.

DALHOUSIE, N. B.—The ratepayers of Dalhousie have accepted a proposal made to the town by the Cascapedia Trading Co. to establish a plant for the manufacture of lumber, to cost about $100,000.

ST. JOHN, N. B.—F. Neill Brodie, Arch., 42 Princess St., St. John, has prepared plans for an addition to the brewery of Simeon Jones, Ltd., 280 Union St. Specifications include steam heating, electric lighting, cement work, cut stone, reinforced concrete, sheet metal work, freight elevator. The proposed structure will have concrete foundations, composition roof, and will be of mill construction.

WELLAND, ONT.—The Bemis Bros. Bag Co., 89 State St., Boston, has signed an agreement with the corporation of the town of Welland to begin the immediate erection of a factory to cost about $1,500,000.

BERLIN, ONT.—LeGrange, Hoffman & Roos, of Grand Bend, Ind., will commence the erection of three factories here at once. The dimensions of the proposed brick structures are 300 × 60 ft. A brick machine and concrete mixer factory, 70 × 300 ft., and a water motor washing machine factory of the same dimensions will be added.

HAMILTON, ONT.—Charles Mills, Arch., Canada Life Bldg., Hamilton, has awarded the contract for the erection of a large addition to the Eagle Spinning Co.'s works here, to the PROVINCIAL CONSTRUCTION CO., of Toronto, at a cost of $50,000.

VANCOUVER, B. C.—The Coleman, Spencer & Co. may erect a $50,000 lumber mill on Emily Inlet, Mackenzie Sound, near Vancouver.

MISCELLANEOUS CONTRACTS.

(denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

DITCH.—Minneapolis, Minn.—Bids are asked until Nov. 11 by Hugh R. Scott, County Audr., for constructing Ditch No. 9.

LANTERNS.—New York, N. Y.—Bids are asked until noon, Nov. 13, by Col. W. L. Marshall, Corps Engrs. U. S. A., for furnishing reserve lanterns.

COAL DOCK.—Duluth, Minn.—The Pittsburg Coal Co., of Pittsburg, Pa., may erect a coal dock of steel construction in Duluth, to cost about $1,000,000. F. J. Moyne is Secy., 232 Fifth Ave., Pittsburg, Pa.

EXCAVATION.—Loretto, Mich.—John MORESCH, of Green Bay, Wis., has contract for excavating new channel for the Sturgeon River at Loretto. Contract includes the removal of 450,000 cu. yds. of earth and stone.

TELEPHONE EQUIPMENT.—Ridgeton, Okla.—G. McColgin, Mgr. of the Ridgeton Telephone Co., Ridgeton, will need supplies by Jan. 1 for constructing and operating a rural service telephone system 30 to 100 miles in length.

*LEVEE, DRAINAGE.—Memphis, Tenn.—Bids are asked until noon, Nov. 25, by Capt. Wm. D. Connor, Corps Engrs., U. S. A., for about 190,000 cu. yds. of levee work and 40,000 cu. yds. of drainage ditch in Upper St. Francis Levee District.

DOCK.—Erie, Pa.—The Public Dock Commission will shortly award the contract for the extension of the public dock out into the bay for a distance of 600 ft. The appropriation of $150,000 made by the State will permit of a concrete dock being constructed.

CANAL.—West Point, Miss.—Bids are asked until Nov. 12 by the Houlka Drainage Commissioners, West Point, for constructing a canal twelve miles long through Houlka Creek bottom, requiring 238,000 cu. yds. of dirt to be excavated. For further information address B. H. McFarland, Aberdeen, Miss.

INCLINE.—Boston, Mass.—Bids were received on Oct. 31 by the Boston Transit Commission, B. Leighton Beal, Secy., for constructing open incline north of the Boston City Hospital Relief Station, near Canal St., for the Washington St. tunnel. Contract was awarded to the CHARLES R. GOW CO., 79 Milk St., Boston, at $27,771.

LEVEE.—Pine Bluff, Ark.—Bids are asked until Nov. 12, by Benjamin Franklin, Chn. Bd. of Inspectors, Levee District No. 2, Jefferson County, at the office of Taylor & Jones, Attys., Main and Barraque Sts., Pine Bluff, for the construction of a line of levee, the amount of embankment being about 150,000 cu. yds. Charles F. Moore, Pine Bluff, is Engr.-in-Charge.

STEAMER.—New York, N. Y.—Bids are asked by John V. Coggey, Comr. Dept. Correction, until 11 a. m., Nov. 14, for furnishing all the labor and materials required for construction and completing of a twin screw steel passenger and freight steamer. Also for furnishing all the labor and materials required for constructing and completing a steel passenger steamboat.

STEEL SHEDS, DOCK.—New Orleans, La.—The Dock Board has approved plans for building 1,600 ft. of steel sheds over the St. Andrew St. wharf, and extending the Celeste St. shed 480 ft., at a total cost of $140,000. Hugh McCloskey, Pres. J. F. Coleman, Consulting Engr. The Dock Board may provide, at a cost of $200,000, dock facilities for the Austro-American Steamship Co.

LEVEE.—New Orleans, La.—Bids were received by James S. Brady, Chn., and W. J. Cune, Secy., Lafourche Levee Districts, New Orleans, La., on Oct. 22, in office of Board of State Engineers, Cotton Exchange Building, New Orleans, La., for construction of the Caneienne canal in Assumption parish. Length of line, about 8,500 ft.; amount of excavation, about 250,000 cu. yds. Contract was let to JOHNSON ARMSTRONG, New Orleans, at 17.4 cts. a cu. yd.

MICHAEL MITCHELL is reported to have secured the contract for about 13,000 cu. yds. of levee work from Egania to Andry Sts., at 82 cts. per cu. yd. Bids received on Oct. 22.

DOCK, ETC.—Buffalo, N. Y.—Separate bids are asked until Nov. 14 by the Department of Public Works for constructing a rock at the end of the Clark & Skinner canal, between Ohio St. and Buffalo River, as a berth for the fire boat, and for constructing an overflow through Hertel Ave., ten ft. two ins. diameter, from Cornelius Creek to Tonawanda St., and nine ft. ten ins. from Tonawanda St. to Niagara River, passing through Erie Canal through a concrete culvert. Francis G. Ward, Comr.

*DREDGING.—Providence, R. I.—Bids were received as follows on Oct. 30, by Lieut-Col. J. H. Willard, Corps Engrs., U. S. A., for dredging 360,000 cu. yds. in Providence Harbor, R. I.: R. G. Packard Co., New York City, 43 cts. per cu. yd. J. S. Packard Dredging Co. and Charles M. Cole, Providence, R. I., 28 cts. Morris & Cummings Dredging Co., New York City, 26 2/11 cts. International Contracting Co., New York City, 24 cts. Coumbia Dredging Co., New York City, 22 cts. Maritime Dredging Co., New York City, 61 cts.; John A. Seeley, New York City, 48 cts. Atlanta Dredging Co., New York City, 29 cts.

CEMENT.—Chicago, Ill.—Bids were received as follows at the office of the U. S. Reclamation Service, 876 Federal Bldg., Chicago, on Oct. 21, for furnishing 12,000 bbls. of Portland cement f. o. b. cars at works of bidder: Kansas Portland Cement Co., $1 per bbl.; Universal Portland Cement Co., $1.05; Elk Cement & Lime Co., $1.10; Alpena Portland Cement Co., $1; Marquette Cement Co., 88 cts.; Portland Cement Co., $1.33; Western Bldg. Material Co., $1.35; Indian Portland Cement Co., $1.10; Atlas Portland Cement Co., 95 cts. The Secretary of the Interior has not yet awarded this contract. E. T. Perkins is Engr.-in-Charge.

PARK IMPROVEMENTS.—Philadelphia, Pa.—The Councils' Committee on Fairmount Park on Oct. 24 approved estimates submitted by the Park Commissioners for 1908 and sent it, with a favorable recommendation, to the Finance Committee. The estimate is $1,054,029. The new items include $300,000 for the further extension of the Wissahickon boundaries of the park; improvements in the vicinity of Falls of Schuylkill, $25,000; laying out tennis grounds, constructing lockers, etc., $5,000; conduits for electric lights, $10,000; music pavilion and dining room at Belmont, $20,000; improving grounds and improvement of Zoological Garden, $30,000, and dredging Schuylkill River, $25,000, etc.

U. S. POSSESSIONS AND CUBA.

BRIDGE.—Panama.—Col. H. F. Hodges, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., has awarded contract for furnishing at New York, one steel single-track three-span railway bridge for use on the Isthmus, to the UNITED STATES STEEL PRODUCTS EXPORT CO., 24 State St., New York, at $15,600.

STEAM SHOVEL.—Panama.—The Isthmian Canal Commission, Washington, D. C., has awarded to the MARION STEAM SHOVEL CO., Marion, Ohio, contract for furnishing twelve steam shovels at $15,180 each.

STEEL BRIDGES.—Hawaii.—Bids are asked by the Board of Supervisors, at Wailuku, Maui County, until 2 p. m., Dec. 11, for three steel bridges. W. F. Kane, County Clerk.

CIVIL SERVICE EXAMINATIONS.

MONOTYPE MACHINIST.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Nov. 27 to secure eligibles from which to make certification to fill 14 vacancies in the position of Monotype Machinist, at 58½ cts. an hour, in the Government Printing Office, Washington, D. C., and vacancies requiring similar qualifications as they may occur in that office. Applicants must indicate in their applications that they are thoroughly familiar with and competent to repair and care for Monotype typesetting machines. Application Form 1093.

LABORATORY ASSISTANT.—Washington, D. C.—An examination will be held by the U. S. Civil Service Commission on Dec. 4 to secure eligibles from which to make certification to fill such vacancies as may occur in the positions of Laboratory Assistant qualified as textile and paper analyst and laboratory assistant in polariscopic work in the Bureau of Standards, Dept. Commerce and Labor, at $1,000 and $1,200 a year, and vacancies requiring similar qualifications as

they may occur in any branch of the service. The duties in connection with these positions are similar to those of the assistants in the physical laboratories of scientific and technical institutions. Age limit, 20 to 35 years. Application Form 1312.

ENGINEERS, ETC.—Albany, N. Y.—The State Civil Service Commission will hold examinations Nov. 30, for the following positions: Accountant, Public Service Commissions, $1,800 to $2,400; Assistant to the State Entomologist, $780; Assistant Civil Engineer, State Engineer's Dept., $5 to $6 a day; Axeman, $2 a day; Copyist of Historical Documents and Stenographer, State Historian's Office, $900 to $1,080; Electrical Engineer, Public Service Commissions, $1,500 to $3,000; Gas Engineer, Public Service Commission, $1,500 to $3,000; Zoologist, State Education Department, $1,200. The last day for filing applications for these positions is November 23. Full information with application forms for any of these examinations may be obtained upon postal card request from Charles S. Fowler, Chief Examiner, Albany.

LANSTON OPERATOR.—Washington, D. C.—The U. S. Civil Service Commission announces an examination on Nov. 27 to secure eligibles from which to make certification to fill at least ten vacancies in the position of Lanston operator in the Government Printing Office, at 50 cts. an hour or $4 a day, and vacancies as they may occur in the positions of Lanston operator and Mergenthaler operator in the Government Printing Office, at the salary named. As the Commission has experienced considerable difficulty in securing eligibles for the position of Lanston operator, an examination having been held on June 12, 1907, qualified persons are urged to enter this examination. Applicants must indicate in their applications for which of these positions they desire to apply. Application Forms 1093 and 1093b.

CIVIL ENGINEERS.—Philippines.—The U. S. Civil Service Commission announces an examination on Dec. 4-5, to secure eligibles from which to make certification to fill ten vacancies in the position of Civil Engineer in the Philippine Service, at $1,400 a year each, and vacancies requiring similar qualifications as they may occur in that service. There are, however, similar positions in that service paying higher salaries, and it is desired to secure from this examination eligibles who are qualified to fill the higher salaried positions in the event that vacancies therein occur. As but very few persons applied for the examination held for this position on October 16, and as the Commission has experienced considerable difficulty in securing sufficient eligibles to meet the needs of the service, qualified persons are urged to enter this examination. Appointees are allowed field expenses when absent on duty from their permanent station. Age limit, 18 to 40 years. Application Forms 2 and 375.

READERS' WANTS

If you are in the market for material, equipment or supplies, and fail to find it in our advertising pages, send us full particulars, and we will gladly put you in touch with the right parties.

Also ask for our BUYERS' GUIDE

AMERICAN MANUFACTURES, Cape Town, South Africa.—We are in receipt of a letter from G. G. Lay, American Consul-General at Cape Town, South Africa, in which he states that a Commercial Information Bureau and Reading Room is about to be opened by the Consulate, with the intention of furnishing accurate information, prices and discounts of as many articles as possible manufactured in the United States to purchasers of American goods in South Africa. Circulars are being distributed in South Africa which will bring the Bureau to the notice of those likely to be interested, and inviting correspondence. It is therefore of the utmost importance, to make this Bureau a success, that a large number of American manufacturers should send to this Consulate-General their catalogues with lowest prices and exact export retail and wholesale discounts, giving the name and address of their agents in South Africa and other useful information.

For other Proposal Advertisements see pages 55, 56, 57, 58, 59, 60, 61, 62 of Advertisements and Construction News page 156.

TRUNK SEWER AND TUNNEL.

POSTPONEMENT.

Office of the Commission, No. 2 Grand St.
White Plains, N. Y., Oct. 10, 1907.

Pursuant to the provisions of Chapter 646 of the Laws of New York, 1905, as amended by Chapter 747 of the Laws of 1907, sealed bids, addressed to the Chairman of the Bronx Valley Sewer Commission and accompanied by a certified check for at least five per cent. of the amount of security required for the faithful performance of the contract for each section bid upon, will be received up to November 7, 1907, at one-thirty P. M., for furnishing all the work and materials necessary for the watertight and enduring construction of each one of the seven sections which together comprise about twelve miles of circular sewer from three and one-third to six feet in diameter and about three miles of circular lined tunnel mostly six and one-half feet and eight and one-half feet in diameter. The material to be either monolithic reinforced concrete, reinforced concrete blocks or brick masonry.

Plans and specifications may be seen at the office of the Commission. The Invitation to Contractors, the Form for Bids, the Specifications and the Form of Contract and Bond may be obtained from the Secretary of the Commission upon the payment of one dollar, to be repaid when the same are properly used in bidding.

Form of bid must fulfil the requirements of the invitation and be made out upon the printed form of bid as above obtained, and the Commission reserves to itself the right to reject any or all bids or to accept that one or those whose acceptance will, in its judgment, best secure the public interest and the efficient performance of the work mentioned.

FRANK N. GLOVER,
Secretary.

Office of the Commission, No. 2 Grand St., White Plains, N. Y., October 10, 1907. 19-3t

THE TIME FOR OPENING BIDS FOR THE CONSTRUCTION OF THE BRONX VALLEY SEWER IS EXTENDED TO WEDNESDAY, NOVEMBER 27, 1907, AT 1.30 P. M., AT NO. 2 GRAND STREET, WHITE PLAINS, N. Y.

FRANK N. GLOVER,
Secretary.

INSTALLING WATER METERS AND BOXES.

Office of the Board of Control
Norfolk, Virginia.

Sealed proposals will be received at this office until noon, Nov. 18, 1907, for installing Two Thousand (2,000), ⅝-inch and ¾-inch water meters and boxes more or less in accordance with specifications.

Specifications, forms of proposals and necessary information may be obtained from the office of the Board of Control.

The Board of Control reserves the right to consider other forms of tender than those specified, providing same are carefully and fully noted, and provided furthermore, that such tenders fully cover the requirements of the Board of Control regarding installation of water meters and boxes, and are accompanied by certified check for the amount named in the specifications for installing water meters and boxes.

H. HODGES, Chairman,
R. HENRY JONES,
ROBERT JOHNSTON,
19-2t Board of Control.

WATER METERS.

Office of the Board of Control
Norfolk, Virginia.

SEALED PROPOSALS will be received at this office until noon, Nov. 18, 1907, for furnishing Two Thousand (2,000) ⅝-inch and ¾-inch water meters, more or less, in accordance with specifications.

Specifications, forms of proposal and necessary information may be obtained from the office of the Board of Control.

The Board of Control reserves the right to consider other forms of tender than those specified, providing same are carefully and fully noted, and provided furthermore, that such tenders fully cover the requirements of the Board of Control, regarding water meters, and are accompanied by certified check for the amount named in the specifications for water meters.

H. HODGES, Chairman,
R. HENRY JONES,
ROBERT JOHNSTON,
19-2t Board of Control.

METER BOXES.

Office of the Board of Control
Norfolk, Virginia.

Sealed proposals will be received at this office until noon, Nov. 18, 1907, for furnishing Two Thousand (2,000) water meters, more or less, in accordance with specifications.

Specifications, forms of proposal and necessary information may be obtained from the office of the Board of Control.

The Board of Control reserves the right to consider other forms of tender than those specified, providing same are carefully and fully noted, and provided furthermore, that such tenders fully cover the requirements of the Board of Control regarding meter boxes, and are accompanied by certified check for the amount named in the specifications for meter boxes.

H. HODGES, Chairman,
R. HENRY JONES,
ROBERT JOHNSTON,
19-2t Board of Control.

FURNISHING AND INSTALLING WATER METERS AND BOXES.

Office of the Board of Control
Norfolk, Virginia.

Sealed proposals will be received at this office until noon, Nov. 18, 1907, for furnishing and installing Two Thousand (2,000) ⅝-inch and ¾-inch water meters and meter boxes more or less in accordance with specifications.

Specifications, forms of proposal and necessary information may be obtained from the office of the Board of Control.

The Board of Control reserves the right to consider other forms of tender than those specified, providing same are carefully and fully noted, and provided furthermore, that such tenders fully cover the requirements of the Board of Control regarding funishing and installing water meters and boxes, and are accompanied by certified check for the amount named in the specifications for furnishing and installing water meters and boxes.

H. HODGES, Chairman,
R. HENRY JONES,
ROBERT JOHNSTON,
19-2t Board of Control.

RAILROAD WORK.

Trenton, Ont.

Sealed proposals will be received up till noon of Monday, Dec. 2d, 1907, by the Central Ontario Railway, at its General Offices, Trenton, Ontario, for the clearing, grading, track-laying, ballasting and other works required in the construction of the Whitney Extension between the 24th mile, near Lake St. Peter, and Whitney, a distance of about eighteen miles.

Plans and profiles can be seen and copies of the specifications and forms of proposal had upon application at the office of the Chief Engineer at Trenton, Ontario.

A marked cheque for one thousand dollars must accompany each bid as a guarantee of good faith if the proposal is accepted, and returnable upon rejection of the proposal or completion of the contract. If the proposal is accepted a bond for a further sum of twenty thousand dollars will be required.

The right is reserved to reject any and all bids.

GEO. COLLINS,
Manager.

Dated at Trenton, Ont., 4th November, 1907. 19-2t

Situations Wanted

Mechanical and Electrical Engineers.

TECHNICAL GRADUATE, mechanical (32), general experience, factory equipment, maintenance, supervision, capable mechanic, wishes engagement. Address "F. A. 19," Engineering News, New York. 19-5t

MEXICO

MECHANICAL ENGINEER wants position to take charge Railways, Shops, Electric Light or Railway Plant or Water-Works, as Chief Engineer or Master Mechanic. At present employed in responsible position in China. Could bring a limited number of first-class mechanics, carpenters, etc. Address "B. 19," Engineering News, New York. 19-6teow

Civil Engineers.

GRADUATE CIVIL ENGINEER, mathematician; has been employed with well-known railroads; 33 years; $110. Address "C. A. 19," Engineering News, New York. 19-1t

GRADUATE CIVIL ENGINEER open for engagement. Railway maintenance, construction and track elevation experience. Understand thoroughly the design of railway terminals. Understands electric work in connection with electric traction. Experience with hydro-electric power plants, pipe lines and sewers. Address "W. 19," Engineering News, New York. 19-3t

CIVIL ENGINEER, at present chief engineer of railroad in Florida, desires change owing to work closing; 10 years' practical field experience; willing to go anywhere. Address "E. A. 19," Engineering News, New York. 19-8t

ASSISTANT ENGINEER, construction department prominent eastern railroad, desires change. C. E. graduate, well-known college; seven years' practical experience; thoroughly familiar with location, construction and all office work, design of yards, terminals, estimates; prefers position as engineer for interurban electric road; capable; best of references; salary $150.00. Address "I. A. 19," Engineering News, New York. 19-1t

Surveyors.

TRANSITMAN AND DRAFTSMAN wants position at either; 5 years' experience. Address "B. A. 19," Engineering News, New York. 19-1t

INSTRUMENTMAN desires position; experienced on railroad location and construction; will go anywhere. Address "X. 19," Engineering News, New York. 19-2t

TRANSITMAN and draftsman; 2 years experience; age 28. Address "A. 19," Engineering News, New York. 19-4t

Draftsmen.

BRIDGE AND STRUCTURAL DRAFTSMAN $24 a week. First-class references and sample of work. Skew work a specialty. New York City. Address "D. A. 19," Engineering News, New York. 19-1t

DRAFTSMAN, with 5½ years' experience on hydroelectric and steam power plants and structural detailing, wishes to change. Address "Z. 16," Engineering News, New York. 19-1t

ELECTRICAL DRAFTSMAN and designer, Austrian, 27 years, technical graduate, with 5 years' shop and drawing-room experience, wants position; A-1 references. Address "G. A. 19," Engineering News, New York. 19-1t

DRAFTSMAN; general power-house work; steam lines; foundations; at present unemployed. Address "R. 14," Engineering News, New York. 19-1t

Superintendents, Misc., etc.

ENGINEER OR MANAGER, wide experience as draftsman, engineer and manager on mill design, hydraulic, power and concrete work, by a mechanical engineer. Address A. H. RICKERBY, 210 Hemenway St., Boston, Mass. 19-4t

WANTED—Position as superintendent of construction or contractor's engineer; 12 years' experience in water supply, sewers, dams, road building, heavy excavating, concrete construction, plain and reinforced, and general construction work. Address "Z. A. 19," Engineering News, New York. 19-2t

SUPERINTENDENT or Constructing Engineer. Technical education. Broad experience in construction, especially concrete, hydraulic work, structural steel design and erection, shopwork and erection of machinery. Four years and now contracting engineer in reinforced concrete, chiefly mill buildings, with active charge of construction. Familiar with business methods. Executive ability and thoroughly practical. Desires position with construction company or consulting engineer. Address "A. A. 19," Engineering News, New York. 19-2t

SUPERINTENDENT OF CONSTRUCTION.—M. Am. Soc. C. E.; will be open for engagement Nov. 15; especially experienced on bridge and pneumatic foundations, reinforced concrete and tunnel construction. Address "K. A. 19," Engineering News, New York. 19-1t

EXPERIENCED ENGINEER and contractor's superintendent open to immediate employment. Concrete construction preferred. Experienced in filter design and construction. Address "L. 19," Engineering News, New York. 19-3t

POSITION WANTED by Engineer; experienced in charge of steel drafting room, also 4 years' experience in reinforced concrete design and construction. Address "O. A. 19," Engineering News, New York. 19-2t

FOREMAN, strictly sober, age 32, desires position in charge all classes of excavation and tunnel; all classes of heavy sewer, heavy concrete and reinforced and heavy rock work and railroad, 11 years' experience; go anywhere; best of references. Address "P. A. 19," Engineering News, New York. 19-3t

Situations Open

WANTED—Several Structural Draftsmen and Checkers. Apply THE HINKLE IRON CO., 534 West 56th Street, City. 19-1t

WANTED—Draftsman to plat railroad maps from survey notes and to do similar work in Maintenance of Way office. New Jersey. State age, experience and salary desired. Address "M. A. 19," Engineering News, New York. 19-1t

FOR SALE

FOR RENT

10-ton Steam Roller

New. Present location, Borough of Queens. Address "L. A. 19," Engineering News, New York. 19-1t

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